

accatacgt gactggatcc tctgtagtcg ctatcaaata caaagatggg attctaattgg 120
 ccgctgacat gggaggttcg tatggatcta ccctgcgcta caagagtgtt gagcgtatca 180
 agcctattgg aaagcattct cttcttggtg ctacgcgga gataagt 227

<210> 40243
 <211> 236
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941581H1

<400> 40243

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 accgccttgg ggaagcgagt cgccaaccag atctggactt ccaaccccc ctcagctcct 120
 ctcacttcca ggaggggagc aatagcagct gcatacagta gcagcggcgg gtcagtgtat 180
 gacaagaacc ctgatgatca gatccactct ggggcggtcc cagacgatgt gatcca 236

<210> 40244
 <211> 229
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941584H1

<400> 40244

ccccaaccat tcagaaatga tctagagagc tattcttttag aattgggaaa acttagcatc 60
 gcaatcatta aacttatttc aaaagctctt gagatcaaca ctaatgaatt gctagagtta 120
 tttgaagatt taagtcagtc aatgaggaag aattgctacc ctccatgtcc ccaaccagaa 180
 catgtcattg gccttaatcc tcattctgat gctggtgctc tcaccatcc 229

<210> 40245
 <211> 228
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941587H1

<400> 40245

cttgtttgtt tccatttctt gcttctatta tttatttgtt tttctctagt attcatggtg 60

ctcgcgtggta aacttagtac tgaacttggg gtgaaagcat ccgctaccaa atgggttcaac 120
 ctcttaacca cgcaacttca gcattttcag aacctttgtg aaagagtgca tgaaaccaag 180
 ctgcatgatg gtgatgactg gcacgggtgtt ggtaattcgg ttaaacac 228

<210> 40246
 <211> 226
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941589H1

<400> 40246

accaactgaa gaaattgctg acagaatcaa caagatgctg gcagtgctcg agaagaacat 60
 cttgtgagtg aaccctgact gtgggctcaa gaccgtaag tacactgagg tgaagccagc 120
 cctcaciaac atggttgccg cagcaaaact catccgcaac gaacttgcca agtgaatggc 180
 ataagaaagt agaatcatcc aagtcatttg gttctgcttt atatta 226

<210> 40247
 <211> 219
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941590H1

<400> 40247

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 gactttcata caggtgctgc atggctgtcg tcagctcgtg tcgtgagatg tttggtcaag 120
 tcctataacg agcgaaaccc tcgttttgtg ttgctgagac atgcgcctaa ggagaaagtc 180
 tttgcaaccg aagtgagccg aggagccgag tgacgcgcc 219

<210> 40248
 <211> 214
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941591H1

<400> 40248

gaggaaatat ccttgacgtg aatcaagaca cggaggagtg agtggtcctt ggtgctgatt 60

tagcaacaac aaccacagat gagagtttga gtgtgagtga atccagatcc gagtttcgca 120
 cttttgcgga gaatagaaca atggagtcgg caacggcatc atcatcgga tgggagatgg 180
 cgcttcctct tcctctggcg tcggagtcac aaca 214

<210> 40249
 <211> 221
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941592H1

<400> 40249

aaatttcaga actacagtat ttactgcaa taaagtccgt gaaacaacag ctttcatggg 60
 tccattgggtg gctgggtgatg gaacaaaac tcaggcactt gctgtttgcc actcagatac 120
 ttctggaatg aatcatcaca tgcttcatga actcatggga gttgatcctg gaactaaccc 180
 tgtttgccat ttccttgga gcaaggccat tttatgggta c 221

<210> 40250
 <211> 160
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941593H1

<400> 40250

gtaccaaaga aaaatgagac ttccatatta gattcccttt aggatgggtat ctataattat 60
 gaatttcagt cttcatggca ataagaatcg tcttatcttg tactcatgtg tgcattgtcc 120
 atgttctgtg tgctgcaagt tccacagaat caagtattat 160

<210> 40251
 <211> 227
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941595H1

<400> 40251

gagagaaacc ctagggtttg gaagaagctg atcggagaag atgggtgcagc gtctcaccta 60
 ccgcaagcgc caccctatg ccaccaaadc caaccagcac agagtcgtca agactcccgg 120

tggcaagctt gtttatcaga ccacgaagaa gagggccagc ggaccaagt gccctgtcac 180
 tggaaagagg attcaaggga ttccacattt aaggccaaca gaatata 227

<210> 40252
 <211> 121
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700941596H1
 <400> 40252

gagagagcga gcgagcgagc agtttcaaag agaggatttg ggattgggaa ggcgagggat 60
 tgcgctgcgt ctcttcctct tctctttcga ttcattccctc attcataatc ttccactcca 120
 c 121

<210> 40253
 <211> 235
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700941601H1
 <400> 40253

attgaaattc tttagttgta actgacaaag ttttctgaga aaataaggat tattattgag 60
 agaatggctg gctcatcgga agagggacaa gtcattagct gccacaccgt tgaagaatgg 120
 aacgatcaac tccagaaggg caacgaatcc aagaaactca ttgttggtgga ttttactgct 180
 tcttggtgtg gaccatgcgg ttttaattgaa caatcctggg ctgactgggc aaaaa 235

<210> 40254
 <211> 288
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700941602H1
 <400> 40254

ggctcgagat tcgcccagtt ctctttcgcc ctcgtttccc tctccgtcat ggctaccacc 60
 tccgatttcc cttctgttac tgccttcgcg taccttggtg ctgctgtcag cctgcaaagc 120
 ttgtggagcc tctctttggg agttgctgat atgtatgcca ttttagtaag gcgtggctac 180

agttatgtga gaattgtccg cttattctct atcgggtgatg ggattacttc aacacttaca 240
 ttttctgcag cctgtgcttc tgctggtatt acagtcctca ttggcaat 288

<210> 40255
 <211> 274
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941603H1

<400> 40255

aaggaattag aggcttaagt ggtaagaaag atttcttgga tgaagatgat attcaaaagt 60
 tttcctactt aagggcagtg ataaaagaga cacttagatt gcacttacca gcaccactac 120
 ttataccaag agaaacagat aaaaaatgca tgtagatgg ctacgaaatt ccagccaaga 180
 cattattata tgtgaatgct tgggcaattc atagagatcc taaggcttgg aaagatccag 240
 aagagtttat acctgagagg tttttaaatt gcga 274

<210> 40256
 <211> 273
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941604H1

<400> 40256

atcgagccgg tccagtatag aggaaaattg gagagaactg ctgtactcaa ggctgtatac 60
 tctggattta aggagactac tgaaccttca gtttgtgtaa gtggagatgt tgagactaat 120
 gagtgtcttg aaagaaatgg aggatgttgg caagacaaac atgctaacat aactgcttgc 180
 aaggatactt tcaggggaag agtttgcgag tgcctgttg tgaacggtgt tcagtataag 240
 ggttacgggtt atacgacatg tgaaggtttt gga 273

<210> 40257
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941605H1

<400> 40257

gcagtggaga ggtccaacaa gcaattcccc ttttacagaa agcatatgga gatagcatgc 60
 ataaagtttt gcatgttggc cctgatactt gttatgtggc ctctaaattg ctgaaggagg 120
 atgaaactga cgccttggga atagaaccat atgatataga ggatgctgat aataattgca 180
 aagcacttat acgtagaggc agtgtgctg tgtctgatat caagtttcct cttccataca 240
 ggccaaaatc tttctctctt gtaattgtt 269

<210> 40258
 <211> 274
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941606H1

<400> 40258

gattcaaccc atcgagaacc aactcctgaa ggtaggaca acattcaata ttggctatcg 60
 aaactttatc acccataagg ttggcctccc aacaatagct tctacggata cgaagttctc 120
 ttaaaagggtt gcaaccctcc aaaactgcaa caagtccttc gtcactgcac atgccattca 180
 tctcaagatg caaaacttct aagctggaac gttttgaaat cgcttttgag atagaaaaat 240
 cgacgccctc caaataaagg gctttgagcg atga 274

<210> 40259
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941607H1

<400> 40259

agttcacaac attggttttg gttgtgggga ggacaatgaa ggtgatggat ttgaacaagc 60
 ttcagggttg gttggtcttg gacgtggagc tttgtccttg gtttctcaac tcaaggaacc 120
 gagattttct tattgtttga cccaatgga tgacacaaaa gaaagtattt tgttgttggg 180
 gtctttgggt aaagtgaaag atgcaaaaga agtggtgaca acacctcttc tcaaaaaccc 240
 tttgcaacct tctttgtact atctttctc 269

<210> 40260
 <211> 210
 <212> DNA

<213> Glycine max

<223> Clone ID: 700941559H1

<400> 40260

atgaattctg atttcgacat tgtaacagct acactgaagg gatctcaaag aattcatgat 60
gttccaaatt cagcagatcc tttcatgaat ttggctacag cagagattaa ggcaacacta 120
gttgagaaat ataggcggtc aacatatgcc agaagggcaa aaaacagaat tcaagaactg 180
tctaccgatg aagggttca acctccacac 210

<210> 40261

<211> 268

<212> DNA

<213> Glycine max

<223> Clone ID: 700941608H1

<400> 40261

agtcgctccg caccagtttc aacgcacgga tatcttggtg tttggagcga tccgagaaaa 60
actctgtaaa catgttggtt taccaggacc tccttacagg tgatgagctt ctctctgact 120
ccttccgtta caaggaaatt gagaatggaa tgctgtggga agttgagggg aagtgggttg 180
ttaaaggagc agttgatgta gacattggtg caaaccttc tgctgagggg ggaggagaag 240
atgagggagt tgatgatgca gctgttaa 268

<210> 40262

<211> 270

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700941609H1

<400> 40262

taaagaanag accatcaaag tttcacttca gccttatccg gtttaggggt tgggtttttg 60
accaacctt tgacgtatcg aaaccttaag tttcggatca ggtctgagca atctggttgg 120
tagaacctt ggtcttagag agtcaagttt tatgtctgaa ttagacgac aaattcctac 180
tgccttcgat ccttttgctg atgcaaagtc tgatgactcg ggtgctgggt caaaggagta 240
tgtgcatatt cgcgtacagc agcgaaatgg 270

0953413-032200

<210> 40263
<211> 240
<212> DNA
<213> Glycine max

<223> Clone ID: 700941492H1

<400> 40263

aagaagaaga agaagcggtc tttcggagag ttcgaagatg tcgggcggtta ccaacaacaa 60
cgaggaagac aagaagccaa ccgaacaggg agcacacatc aaccttaagg ttaaggggca 120
ggatgggaat gaagtttttt tcaggatcaa gagaagcact caattgaaga agcctatgaa 180
tgcttactgt gaccgacagt cgggtggattt caactccatt gcttttccgg ttgatggacg 240

<210> 40264
<211> 242
<212> DNA
<213> Glycine max

<223> Clone ID: 700941493H1

<400> 40264

ctttcgaaag attttatcca attgaaattt taaaaatgac tgggataaac ttaagaattc 60
aattattgaa attgaataag taaacaattt aattggattg gtcgaatggt atcaaaaaaaaa 120
tgagagtacta actcccattt cttattttatt attgaattaa ccgatcaact tgctttgtta 180
tcgaacattt ctttttgatt tcaaaaattt tccggaaaaa atttgaatct atttttatat 240
gc 242

<210> 40265
<211> 244
<212> DNA
<213> Glycine max

<223> Clone ID: 700941494H1

<400> 40265

aggcagaaag caagctcatc ctagagattg aaaaatggca gcagcctcct ccatggctct 60
ctcttcccca tccttggctg gcaaggccgt gaagctgggc ccatcagccc ccgaagtcgg 120
gagggtcagc atgaggaaga ccgtcaccaa gcaggcctcc tccggaagcc catggtacgg 180

cccagaccgc gtcaagtact tgggcccatt ctctggcgag cccccgtcct acctcactgg 240
cgag 244

<210> 40266
<211> 244
<212> DNA
<213> Glycine max

<223> Clone ID: 700941496H1

<400> 40266

gttcatggat ctgggggttg ttttctcaga ggaagataag gactcaagtt tggcttcaat 60
cattcctggc ttgcaaaggc tagggaaaag tgatgaggaa gaagaggatt ctgaattagg 120
gtcctcagtc caaagacctt acctctctga agcatggaag gctcaagaaa ggagaaagaa 180
agagaaccct ctctgaatt ggaagattcc tgctctgaac aatgaaattg acataaaaga 240
tagt 244

<210> 40267
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 700941501H1

<400> 40267

caagaatggc acttcgttgc ttggtgatgt ccctttctgt tctcttcaact cttggtcttg 60
cgagagaaag ccatgccaga gacgaagatt tttggcatgc tgtttggcca aacactccca 120
ttccaagtgc attgcgagat cttctaaagc ctggccctgc aagtgttgaa atcgatgatc 180
accctatgca aattgagaaa cacagtaccc gaaaacgttc ttctataaag aagaccttca 240
tccaggcaa 249

<210> 40268
<211> 215
<212> DNA
<213> Glycine max

<223> Clone ID: 700941504H1

<400> 40268

cagatgagca tggagatggc gaagcaaacg ctgtcgttgc ggcactcgcg gcgttgggtgc 60
 tactcgcggc gagtgtggcg gtggatgctc aggagaactc ggacgtgaag acgctgggtga 120
 agcacaagca cgccaagaag tactgcgaca aaggatggga atgtaagggc tgggtcaattt 180
 actgttgtaa cctcaccatt accgattatt tccac 215

<210> 40269
 <211> 240
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941505H1

<400> 40269

agattgggta tgttggacca catgatgcct ctggtggatg aaagttggcg agtcaaattt 60
 gagagagtga gagaggatgg tttctccagg ctgcaaggtc tttgggtcct tcgggagatc 120
 gtacttccta tcataatgaa gctgttgaca gcattatgtg taccctacgt tttggccaaa 180
 ggtgtatttc cagtgccttg gtatcccttg gtgataaatt ctgccgtcta tcggtttgca 240

<210> 40270
 <211> 143
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941506H1

<400> 40270

ggcacacgca caagcacgat gaaagtaa at caaatcatag gcagttaaat ctctgcctgc 60
 aacattctga gttcgacaga cagtgataac ctcaaatcat atatcatttg ctgtttcagt 120
 tcccctcttc cactcttata gtc 143

<210> 40271
 <211> 240
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941509H1

<400> 40271

attttctcct ccaatttcaa tttctcgtcg tccctcatta tggctcgtct ctcgatcgtc 60

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tgcaggagct tcataatctc ctctactcc ttccgcaacc ctaactccaa cacgttcgcc 180

accatcacgc agaaccgatc cttcaccct ctctacatca ccgacaaacc cccctcctat 240

<210> 40272

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 700941510H1

<400> 40272

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ttatgctgca atgaaaccca ctaagcccg cttggaggag tcacaggagc aaatccataa 120

gattagaatc accctttcct ctaagaacgt caagaatctc gagaagggtt gtgctgacct 180

ggttcgtggt gccaaggaca agcatctcag ggtgaaggga cctgttagga tgccaa 236

<210> 40273

<211> 235

<212> DNA

<213> Glycine max

<223> Clone ID: 700941511H1

<400> 40273

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tgagttttga atgctgatct aatgagaagt tttcgtagcc tcgcagggat tgcaagttta 120

agtagcaata agtattttgt atgtacagta tagcaacaga tgtaaacaca gaataagcct 180

ttaatcagtg agtgacttga acagcattca taaccccaaa gatgccccat gcagt 235

<210> 40274

<211> 232

<212> DNA

<213> Glycine max

<223> Clone ID: 700941514H1

<400> 40274

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ttcggaggta tgccattgaa cttattgggt ctcggtgctc gtggagggtg tggcgttgga 120
 gtagggcttg gttgggggtt tggtagtgcc tttggtagca agtatcggtc ctcacgggtc 180
 acatttcaag gagggtgatt tcatagcaag gagaaagtta acagcacgga gt 232

<210> 40275
 <211> 236
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700941515H1
 <400> 40275

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 ctctctcttc cccatccttg gctggcaagg ccgtagaagc gggcccatca gccccgaag 120
 tcgggagggt cagcatgagg aagaccgtca ccaagcaggc ctctccgga agcccatggt 180
 acggcccaga ccgcgtcaag tacttgggccc cattctctgg cgagcccccg tcctac 236

<210> 40276
 <211> 122
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700941516H1
 <400> 40276

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 gtttggtcac agaacgagcg actatgatcc caattatcga tgggggttcct cagatgaaga 120
 aa 122

<210> 40277
 <211> 171
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700941519H1
 <400> 40277

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 tcgctataag cgccacaaag gttgtcctag agtagctgga gacgaagagg acaactttga 120

tcgagatgag tttgatgatg agtgtccggt gaagaatcat cttgaagatc t 171

<210> 40278
 <211> 220
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941524H1

<400> 40278

catgaagaga caacaaaaaa acatgtcatc ttcactcatc ttaccattaa ccattttgac 60
 agtactttct tttctctcct tggccattgg ccaccgtgct caaccctgca gtgaagaatt 120
 cctcaagcta gccaacaaaa agaacctctc agactgcaag aactgcgca ctctgggggc 180
 agagtttgct tggtcctacc acaatgtcac gaataaatcc 220

<210> 40279
 <211> 80
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941526H1

<400> 40279

tgaaacgctg cttagtttga ttttaattgct tttgttcac atggtgtatt gctaaatttg 60
 aaactttccg tttactcgaa 80

<210> 40280
 <211> 232
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941527H1

<400> 40280

cgagcatcat ggcctcgaga gcagtgtat tgttggctat gtgtgtgctt ccggccatgg 60
 ttgtggccat tcgcccagca aagaaccctt tttgcgtgaa gggtcgcgct tactgtgacc 120
 cttgccgtgc tggttttgag acctcagcaa ccacctacat tgccggtgct gagattatgt 180
 tgcaatgcaa gagcagggtt agcaacgagg ttgtgtacac cttaagggg ta 232

<210> 40281
 <211> 233
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941531H1

<400> 40281

tttgaatctt tcaagaatgt tccagaaccc ttcaaaaccc tctcttctct ctttcttcga 60
 tcgcttcgcc tgatattctt tatggctgag atcaagcaaa aatgagcgtg gttggatttg 120
 attttggtta tgagagctgt attgttgctg tcgcaagaca aagggggatt gacgttggtg 180
 tcaacgatga gtcaaagcgt gaaacacctg caattgtatg ctttggtgac aaa 233

<210> 40282
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941532H1

<400> 40282

tcggctcgag cttttacttc gttaatacca aacatgtcat tatgtttagt ttttcttcta 60
 accaaatgct tcctacagta ccttgtttga gtcttggtta tttgccaaaa gttgggaaag 120
 agtttggtatg aataaatgat aaaagttgac gcaagtaaatt tgccaaaatt aaaacttttag 180
 ccaggtaatt tgacaaaaag tctaaagggt aaagcaggta ctttcttttt aatgctagaa 240
 aagaatc 247

<210> 40283
 <211> 242
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941533H1

<400> 40283

atcgacacct atggaggatg aggtgcacat ggtggtggtg ctttctctgg gaaggatcct 60
 accaaggttg ataggagtgg tgcctacatt gtgaggcaag ctgcaaagag cattgttgca 120
 aatggacttg ctaggagggc aattgtgcaa gtttcctatg ccattggtgt gcctgagccc 180
 ttgtctgtgt ttgttgacac ttatggcact gggaagatcc ctgacaggga atcctcagca 240

tt

242

<210> 40284
 <211> 236
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941537H1

<400> 40284

gtttcaatgg gagacaaagg ctttatcaag cctttgcttg aaaagcgagg taaagtacat 60
 ttcgataagg tgtgtattaa accaggcaag ccatttacat ttgcagagat tgactttcaa 120
 tctacagaga gcacaattct agcttttggg ctacctggaa atcctgtcag ctctttagtt 180
 tgcttccatc tctgtggggg tccctgcaat acgctaccct gcagggtgga caaatc 236

<210> 40285
 <211> 236
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941540H1

<400> 40285

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 gtgacaggtg gaagtccata tgggtgctgga acttacgccg gtgatggctc aagacagcca 120
 agtgagcttg agttacaaca agcattccac caaggggaagt acatctgctg gcatacaaaa 180
 gaagctcaag caagctgcat aatgttgccct tgccttcata ttagatcata ctatta 236

<210> 40286
 <211> 224
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941541H1

<400> 40286

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 ggtggatttc aactccattg cttttctggt tgatggacgc cgctccgag ctgagcagac 120
 tccagatgag ttggaaatgg aggacgggga cgagattgat gccatgcttc accagacagg 180

aggttctgtt gtctgaagga tgtgattacc ttgctcctc atta 224

<210> 40287
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941490H1

<400> 40287

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tctgatagca gaagatgtga agagcagatc agaggtgtac cacggggacg aaatgtgcca 120

agtgaagtcc aaggagcttc tcaaggaaat cgccctcccc aacggccttc ttccctcaa 180

ggacatggag gagtgcggct acgacagaca aaccggcttc gtctgggtca aacaaaagaa 240

gagtta 246

<210> 40288
 <211> 78
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941542H1

<400> 40288

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tggatttcca cacaacat 78

<210> 40289
 <211> 82
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941546H1

<400> 40289

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ggtctcgttc tccgcacaac at 82

<210> 40290
 <211> 232

<212> DNA
 <213> Glycine max

<223> Clone ID: 700941548H1

<400> 40290

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 aggaaatgga aggagcaaag agtcatctcc atttttttga aatggatctt cttgacatcg 120
 actccattgc cgctgccata aatagttgtt ccggcgtaat ccaccttgca tgtcctaaca 180
 tcattggtca agtcgaagat cccgagaaac agatattgga accggcgata aa 232

<210> 40291
 <211> 234
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941555H1

<400> 40291

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 agattatcaa tggtgaggat gttttcaaag ctcttgagga aactgagttc cctgagtttc 120
 ttcgtcctct gaaagcttcc cttgaagagt ttaggaagaa gaatgctgga aagaaagctg 180
 cagtgtcaaa gggaaaggat gatgagccga gaaagaaaag gaagttggaa ggtg 234

<210> 40292
 <211> 229
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941556H1

<400> 40292

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 cagctccata gtgtcgccgc cggaggagct cgttgccgcc ggcagccgta caccgtcgcc 120
 gaagatgacg gcggcgggcg tgcggaagtg gttcgaggag aagaaccctt ccgcagtgtc 180
 ggtggaggtc ggagagcatg tccagctcgc ttatacccac cagaacgag 229

<210> 40293
 <211> 181

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<212> DNA
 <213> Glycine max
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 <400> 40293
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 ctgccgacac gtgcagctac ccacacagtg ggagacacct cagggttggc actcgggtgct 120
 gattacagta catgggccag tggcttgaat ttgaaagtcg gagatagtct tgttttcaat 180
 t 181

<210> 40294
 <211> 257
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700941410H1
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 cccttttcat gggaagacaa acccggggtt tgtaagacct ccaacagtga tttccctcta 120
 aacaacatag gaatacgata aaaaatcatg ttctccctta ccaccaccac catttgctcc 180
 taccatttg agcaactcaa ggagaatgtt ggaaattcaa gacaacgagg aagattcctc 240
 tgctccatg tccatta 257

<210> 40295
 <211> 262
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700941411H1
 <400> 40295
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 gcttgcggtt catcactgag gcagtaaaaa atgtctgaca cagaagacca tgcagcatca 120
 gagtattcca atggtgacga atcccccca aagcccagac agagggttcag ggacagatct 180
 aaggagatgc tgtccaaaca agctgtgcag accaagcaaa tgctttccaa acaggccgtt 240
 aagattgcca aacaagctga ag 262

<210> 40296
 <211> 83
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941414H1

<400> 40296

cttgaagagt agaaatccac ttatggaggg tgcaaagagt tgctcgtgtg ttgctacaat 60

atctgtggca ttagtggtgc tcc 83

<210> 40297
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941422H1

<400> 40297

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acctgcatgc tgagtatggt actgcaatca catgggacca tgcattacag acaagtttgc 120

tgtattttga gaacaaaact cacaaccttt tcacttgcaa ctggcactcg tttgtcgcga 180

actgtctgaa tcgactgtgt tatggtggat caatgagttg gaatatggtg aatgtaggag 240

ctttggtact attcaagggg cactg 265

<210> 40298
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941423H1

<400> 40298

ttcttcacca ccatcacaac aacttcacca aactaactc aaccgacac acaccacac 60

aagaaaaaat gtccctcctt tctcgggtg gcttcttcgg ccgcagaaga aacgacccgc 120

cacccacca acccagtggt gaccactacc aggccagga ccatcaccac cctctgggag 180

tttcccagcc ccaccacca ccccccttca tgccttccc cagtgactcc tcgccggtgc 240

gcaacaccgc cgatcatagag tggaag 266

<210> 40299
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941424H1

<400> 40299

gcagaaactc catcacgcgtc aacagaatcc actagttcat ggcgcgcttg catcgacta 60
 gatccatgac gtcgtcgaac agcaacagtt gctgctacaa cagcacgagc cctacagtgg 120
 gatggtctcg ctgttcgaca ccgccacgtt catggttggtg gtcaccacgg tcacgttgcg 180
 gacctcatca cggcggcaaa ggagtcggtc taccaccaac gtcgaggcca aggacacgtg 240
 gaacaaccaa gtagg 255

<210> 40300
 <211> 100
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941425H1

<400> 40300

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 tcgttgaacc atctcaagga gctgccaccc cagggtcatcc 100

<210> 40301
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941427H1

<400> 40301

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 cctcagccca taacaaagac tcaggcttac acagattacg tgaatgagtt ttgggataca 120
 gctcctcact attgtggccg gaaagagatt tgggatgctc ttcgagctgc tgctgaggct 180
 gatctaactt tagcacaagt aattgtggat agtgctgggg tcattgtcca gagttctgat 240
 ttgacagtat gcta 254

<210> 40302
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941432H1

<400> 40302

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 ggaggtgcat tttatactac taacactgga agtgttcctt cctcaaactc aaggctctca 120
 ccccttccac cagagcctta tgctcgtggg gcaactattg acatccccct aaataatgca 180
 aaggacgcaa aagcaaatga gaaggaactt caagctaaag aggctgaatt gaaaagatgg 240
 gaacaggaac ta 252

<210> 40303
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941438H1

<400> 40303

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 ttagctatgg aatggatgat ggtgatgaca tttacatgcg ctcttggact ggcacgatta 120
 ttggccccca taatactgta catgaaggaa gaatttatca actgaagctg ttttgtgata 180
 aagactaccc agaaaagccc cctagtgttc ggtttcattc acggatcaac atgacttgtg 240
 ttaatcatga aactggagtg gt 262

<210> 40304
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941439H1

<400> 40304

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 tggcaaccat tcatctggat ccagtgtttg aagcgggtag cattccagaa actgcttaca 120

aggttgtgaa ggacgaagaa tattgtggag agattaaggt ggctctcact tttactgttg 180
 agaaatatga ggagcaggat tatgctgaac ctgaagagag ctatgggtgga tggaaaatcc 240
 agttggggaa ttttaaagtg 260

<210> 40305
 <211> 189
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700941441H1
 <400> 40305

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 agagcaggag tgtgatcgcg agactcgctc atagggggcgc cacggagcac tcgctgtgta 120
 agcacctcgt accgcatctc gtcgctgtgt atcacgtgat ctcgtacgac accatatggg 180
 ctcggacca 189

<210> 40306
 <211> 260
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700941449H1
 <400> 40306

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 gagtttcatc agcctaactt tgggtggttct tcaataaaaa aaggtgggtcc aagggaacct 120
 tggcacgaca tccattctcg acttgaaggc cctattgctt gggatgtttt gtgcaacttt 180
 gagcagagat tgaggaagca gggaggaaag gacttacttg ttccactgag agaccttggt 240
 gatgtcatta ttcccccatc 260

<210> 40307
 <211> 227
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700941457H1
 <400> 40307

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 tttgttttta attgagatcg ttgcatgtat ggtttaatat aatcttaggc aagtagcagc 120
 aaagatgctt ctctgtgaca tgttcaatta ttaatttata tgaattgcg c ttaatttgt 180
 tgaaaaaaaa aaaaagaaaa ggggaaaaag aataggggaat ttggaga 227

<210> 40308
 <211> 257
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700941466H1
 <400> 40308

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 ggagattaac tcagtcaatg acaacccttt gattgatgtg tcaaggaaca aggcacttca 120
 tgggtgtaac ttccaaggaa ctcttattgg agtctccatg gataatacac gtttggctct 180
 tgcttcaatt ggtaaactca tgttttctca attctctgag cttgtcaatg attattacaa 240
 caatggtttg ccttcaa 257

<210> 40309
 <211> 254
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700941467H1
 <400> 40309

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 aaatgccaaag aagctgcaaa atgattcatc acttgcgctg ggtccggcgg tgggtgagga 120
 ggggtgttgag caagtgcag gggctgatgt tgtccgtgat tgtggtttag cttctgggcc 180
 attcgatcat ctggattcgc ggagaattgc gcctcggcct ggggtgacgg cctttcctag 240
 tatgggagct ggat 254

<210> 40310
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941470H1

<400> 40310

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tcatctctgc tgctgagctc cgccatgtga tgaccaacct cggggagaag ctcaccgatg 120
aagaggttga tgagatgatt cgcgaggccg atgttgatgg cgatggccaa ataaactacg 180
aggagtctgt taaggatgat atggccaagt gatcatcaca ttatggccac aaaaccta 240
atgaagaaat gttg 254

<210> 40311

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700941474H1

<400> 40311

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ttcactttcg tttctcagtt ttattcgaat cctctctca atctcctttc caaatggcca 120
gcgttgaggt tgcacagcaa acaccaacaa cagtccaga aaatgaaaca accgaggtaa 180
gcaagacca ggaacaacc ccagtcactg aggctcctgc aacagaacaa ccagcagctg 240
aggttcctgc aa 252

<210> 40312

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700941476H1

<400> 40312

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tgcgagcact tggagaggag attggcatcc ccattgtggt ttatggaccc gaagccacaa 120
tgactggtat atgcaaagag gcaattacag ttcattacag ccgtgctta aggtcaacaa 180
caccttcatt tatagtattt tcatggtgag tctgaagtga acgttgattc ttaatttcct 240
tttccattc 249

<210> 40313
 <211> 236
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941478H1

<400> 40313

ggaagttatg aaaaatggag gggttggcat gattttggca aatgggtgat ttgataatta 60
 tgaagaatat gttggagctg atattgtgaa aagagctctt agttaccctt tgaaattaat 120
 tgccaaaaaac gctgggtgtca acggtagtgt tgtcagtgag aagggtattgt ccagcgacaa 180
 tccaagatat ggatataatg ctgccaccgg ataatatgaa ggattgatgt ctgctg 236

<210> 40314
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941480H1

<400> 40314

gattatccta agtctttggg aatagtgtgt caatggcttc aagtcaggag gaggtgaccc 60
 ttttgggagc tactggaagc ccatttgtgt gcagggttca tattgccctc aagttgaagg 120
 gagttcaata catatatgtc gatgaaaatt tgaggaacaa gagtgtactg cttctcaa 180
 ccatcccagt tcacaagaag gttccagtgt ttattcacag tgagaagccc atagcagagt 240
 ctcttgt 247

<210> 40315
 <211> 102
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941481H1

<400> 40315

cagcacaatg cgggttactg tgtgggtcaag ctaccatctc tctctctctt tcttagtgcc 60
 tccttgccag tagttaa 102

<210> 40316
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 700941482H1

<400> 40316

attgaagcgt ggaaaaatgc tcgtgacagc acagggttcga cacctgagga ttatgcccggt 60
ttacgtggcc attatgctta cattcacttg gtgcagaaaa aaattaacaa gaaacaagga 120
gcagctcatg tgggtggttga gattccaagc aatatgacag agaacaatac aaacaagaag 180
caaaatgagt tatccactat ctttgagatt ggaaagcctg aagtaaggcg tggccaaggg 240
cactgtaagc ttg 254

<210> 40317
<211> 266
<212> DNA
<213> Glycine max

<223> Clone ID: 700941407H1

<400> 40317

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accagaatct atgctgcgac gttatcagat tcaggaccaa ccaggaaaac aaggaaatgc 120
acaatcagtt ccagcatcta attatgcac tgattttctca gtcttaatgc cagggcagca 180
gtatcctaca tacatcgccc aacctgcccc tctgctgcct tctcaaaggg aaggggttta 240
ttggccttct catgaacatc attttg 266

<210> 40318
<211> 236
<212> DNA
<213> Glycine max

<223> Clone ID: 700941484H1

<400> 40318

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atcgtcgccg gcccaaggcc ggaaaacggt ctcggcaagc tccggaaca ccacaccttc 120
actttccgac ctagctccgg caatgaagcg gagggcgga gcgtgagatc gtacggtgac 180

gaatcgtcgg aggaagcgac tagagtgacg cgtagtatca tgatcgtgaa accgcc 236

<210> 40319
 <211> 73
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700941488H1
 <400> 40319

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 gcaggagaga gcc 73

<210> 40320
 <211> 249
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700941489H1
 <400> 40320

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 gcaccagaga ttcttctctc cgtcctttca ggaagaaggg aaccatcgcc ctcaccacat 120
 acctgagaac ctaccacgtc ggcgactatg ttgacgtcaa gggttaacggg gccgttcaca 180
 agggaatgcc ccacaaattc taccatggcc gcaccggacg cgtctggaat gtcaccaaac 240
 gtgctgttg 249

<210> 40321
 <211> 262
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700941365H1
 <400> 40321

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 ataccttgat cggttatctc ttcggtatga gaaagaagga aagccatctc agttatctga 120
 tatagacgtg ttcggttagta cagtggaccc tatgaaggaa cctccactca gtactgcaga 180
 cacagttctg tctatccttg ctgtggatta tccggtggac aaggttgcat gctatgtttc 240

agatgatggt gctgccatgc tt

262

<210> 40322
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941366H1

<400> 40322

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 gaaatcaaca agaaaagatg tcagggtgaag aggtagctgt tgcagttgag gtacctgcta 120
 cttcaattcc aggtgagcca atggacaaga tgactgctct acagcttggtg ctgagaagat 180
 ctctggccta tgggtggtcctt gcacgagggtc ttcatagaagg tgccaagggtg atcgagaagc 240
 atgctgcaca gctctgtggt 260

<210> 40323
 <211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941368H1

<400> 40323

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 tgggctccag attttagaag gttgcaggat cttgtaaatg aggaaattag agttagattt 120
 tctggtggtg aatctacggt attgcgcgaa ttggaagcgg ttgatgcctc tgtgcagata 180
 ttatgtccta ctatccaagc tgggtgcagat accggtgaga cagaatgcgc ttgtgaagac 240
 tgt 243

<210> 40324
 <211> 81
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941370H1

<400> 40324

gcaaaaagtca cctgatgagt gtaaggcttt ttatgcacat cctgttcatt gtagtgcctt 60

tggttgca tgcgcgcgc c

81

<210> 40325
<211> 101
<212> DNA
<213> Glycine max

<223> Clone ID: 700941371H1

<400> 40325

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caacgtcttc agagcgatca atactaaca agccaccatc g 101

<210> 40326
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 700941372H1

<400> 40326

ctcaaggagc atgtgatcaa gccggtgatc ccggagaagt accttgatga gaagaccatt 60

ttccacttga acccctctgg acgttttctc attggaggctc ctacacggtga tgctggtctc 120

accggccgca agatcatcat cgatacttac ggaggatggg gtgctcatgg tgggtggtgcc 180

ttctccggga aggatccac caaggttgat aggagtgggtg cttacattgt gagacaggct 240

gctaagagca ttgtggcaa 259

<210> 40327
<211> 258
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700941373H1

<400> 40327

cctttgttca ctcttcttct cttgcggcta gggttttagc gcagttgtnt ctagatttaa 60

ggaagatggg taaggaaaag gttcacatca gtattgtggt cattggccat gtcgactctg 120

ggaaatccac taccactggt cacgtgattt acaagcctgg aggcattgac aagcgtgtta 180

ttgagaggtt tgagaaggaa gctgctgaga tgaacaagag gtctttcaag tatgcctggg 240
 tgctggacaa acttaagg 258

<210> 40328
 <211> 258
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700941374H1

<400> 40328

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 nattatagca atggcagaac aaaacaaaaa ccagacaact ggagatataa agcaccaaga 120
 ggnaggccac aagagccatc tcttgagtga tgctcnrnac cagtatatc tggagaccag 180
 tgtctacca agagaagctg tatccatgaa agaactgaga gagttgacag caaaacaccc 240
 atggaacatc atgacaac 258

<210> 40329
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941377H1

<400> 40329

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 gccaccagcc atgggtcgta tgcacagccg cggtaaaggt atatcctctt ctgctttgcc 120
 ctacaaaagg acacctccta gctgggtcaa gatctcttcg caagatgtcg aagaaaatat 180
 ctgcaagttt gcgaagaaag gtttgacccc gtctcagatt ggtgtcattc tcagagattc 240
 tcacggtatt gctcaggtca a 261

<210> 40330
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941378H1

<400> 40330

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 gttccctaac gccttgtaac gttcctccaa tgtcggcgta taaattgatg gctcgttggg 120
 ggattctgac agtctcaaag tgtctggctc aaagaaaagg gttaggtctg agtcatgtgc 180
 tgcttctggc tccaaggcat gtcgggagaa gttgagaagg gataggctta atgacaagtt 240
 tgttgaattg ggcgcca 257

<210> 40331
 <211> 246
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700941379H1

<400> 40331

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 tgttgtgtgt ggctgcngag acgttggcaa gggttgtgct tcggcacgta ttaaaccgtg 120
 gctcgtgtca ttgtcaccga gattgatecc atttgtgcc ttcaggctct aatgttgggt 180
 cttcaggttc tcaccctgga agatgttgtc tccgagggcg acatcttcgt caccaccaca 240
 gggaac 246

<210> 40332
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941380H1

<400> 40332

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 ccaccagga ccacgcgggc gccgctattg cccgcgacag tgccgcgctc ttcgcctgga 120
 aggggtgagac cctccaggag tactggtggt gcaccgagcg cgccctcgac tggggccccg 180
 gtggtggacc cgacctcatc gtcgacgacg gtggtgacgc tacccttctc atccacgaag 240
 gcgtcaaggc cgaggagc 258

<210> 40333

<211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941381H1

<400> 40333

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 tggcaaccca agcctctctc ttcacccac ccctctccgg tctcaaacc agcgaccgag 120
 ccaccgccc atggaacaa tctccacc tctccttctc cacctcgaag cccctcaagt 180
 tctcggaac aatcagagca gcagccaccg accagaccac agaggcaccg gttgggttca 240
 cccaccgga actggacca aa 262

<210> 40334
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941382H1

<400> 40334

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 tgggctgaat gcacaactgc ggtagttcg gcgtggacga ctaagagtaa catttttacc 180
 tgtcctcgga tggcttgaga ctcatgccaa tctgcattg agtgtccatg gtgtgcgcac 240
 tgaccttgcc tggttt 256

<210> 40335
 <211> 123
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941383H1

<400> 40335

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 gac 123

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<210>      40336
<211>      75
<212>      DNA
<213>      Glycine max

<223>      Clone ID: 700941384H1

<400>      40336

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tacagcatgc cctgg                                                    75

<210>      40337
<211>      230
<212>      DNA
<213>      Glycine max

<223>      Clone ID: 700941386H1

<400>      40337

tcgtagacag tgtgtgattc taagttataa tcttggagta tgtgagatgg accatggata   60
ttactattta tacgatcact acaaaaatac catcaagtgg ttgaggaact ttcattttcc  120
taccctttac cattcctttt atctatcttg tttttgcggt ttctgtcttt tgatatgttg  180
agataagagc atgaaggcta gcaagatatg taagattcat ttttttttat             230

<210>      40338
<211>      253
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: 700941387H1

<400>      40338

tggaanaagc agtatagagt gaaagaatgg gtgagaaaag caagattttg atcataggag   60
gcaccggcta catcggaata catatagtgg aagcaagcgc aaaggctgga aatcccactt  120
ttgcttttgt gagggaaatc acactctctg aaaaagaaaa agcacaactc atccacagtt  180
ttgangtctg ggggcgttaa tttggctcgc ggggatctgt acgatcatga gaagtctgag  240
aaagctatca agc                                                    253

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<210> 40339
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941388H1

<400> 40339

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 ggaggaggca ggaatggttag gttctccaat ggtggcgga gaggtggacg tggcggcaac 120
 tggggtggaa agagatggtg aagctgagaa aggacttagg gagttgagtt ttcactctgc 180
 tcaatgtggg aggagcattg ctgcgtgata caaccacatg gagagatgac tactacagtt 240
 gtgaatgaag aaaac 255

<210> 40340
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941389H1

<400> 40340

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 tgcttgacaa agtgaaagac ttttttggag atgcaaagga atcttttggga aagataacat 120
 cattgggcac tactgaaaca gaggagtcag aggaagacac aaaagaaaaa gccaaaggta 180
 aaggatgaaa ctatagctgg aaatgatttg cttgaattgt tatgagtagc ctgtggccct 240
 atgagatcag aaag 254

<210> 40341
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941391H1

<400> 40341

tgaaattgca gaacgcttac attccaggat ggtggttact aacaacaact acaaataaga 60
 ggctgcaaaa aattgatact gagatacgag cattacttaa aggtgtcatc acaaacgag 120
 agaatgcaat gaaggctggt gaagtcttga acaatgactt gttgggcatg cttttggaat 180

caaaacgtat ggaactacaa gatcatggac agaatagcat tattgcaatg actagcctag 240
 tggttaattga ggaatgc 257

<210> 40342
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941393H1

<400> 40342

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 tttttattga accgtgtcaa tggccgctac tatgaaggct ttagcttttg ttgctttgct 120
 tgttaccatt aatgcaatag tgtgtgacag tagagtggcg agacaggacc ttggattgga 180
 ccttggtggg gtgggaattg ggggtgggtgc tggggttggg ctaggccttg gtggtggggg 240
 tggtgctggt tctgg 255

<210> 40343
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941394H1

<400> 40343

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 ttactgctct caacctcatg aaccaggaca aaatcctcat ggaaagctgt tactatttga 120
 aagatgcagt ccttgaaggg ggtattccat ttaacaaagc atatggaatg acagcctttg 180
 aataccatgg aacggatcca aggtttaaca aggttttcaa caaggggatg gctgatcact 240
 ctaccattac aatgaag 257

<210> 40344
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941395H1

<400> 40344

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 aaaagatgac caaggctact gccctatfff tcaccttatt actctgctcc atgctcgtcc 120
 atgccatgtc catacgcctt gaaccagctt ttcaccaaga atccttagcc aaaccgcacc 180
 aacagagcgt tgaggcgggt gatgagagct gcgaaggcgt tggagaggat gaatgcttga 240
 tgaggagaac acttgccgc 259

<210> 40345
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941364H1

<400> 40345

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 tcttatgcaa attttcacaa cttgttattc ataaatgcta ctccattttg ggattgggtcc 120
 ttctcaattt gtcttacata atgttgctt tctcagggag gaatcagagg gcaagttgaa 180
 gggaattctt ggttacactg aagatgatgt ggtctccacc gactttgtgg gcgatacagg 240
 tataaattat gttaa 255

<210> 40346
 <211> 189
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941401H1

<400> 40346

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 cagcacaaat taaaaactgt ttaagttttc tccttaattt ttattgtttt taattctctt 120
 cattgttggc ttggtttgga gacacttgca acaagttcac aatttaacca cctgttactt 180
 gtattgaaa 189

<210> 40347
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941405H1

<400> 40347

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 atatataagg tgggtctcatc atgttcacca cgggtctagtt ctaatatatta attgaatttt 120
 cttacacgcc atagctctat gaatagtcca ccctattata ttttatagca ttttgaata 180
 catttatattt attgcccttg tttctgtaa tctgatcaag aaagtggatt gacgtagcta 240
 aaaaaaaaaag a 251

<210> 40348

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 700941323H1

<400> 40348

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 ttttcgccat gcaactagcc agtgcctcag tactccctat ggttctcaaa tcagctcttg 120
 agcttgatga gttggaaatc atagccaagg ctggccctgg tgttcacctt tccccctccg 180
 acattgcttc tcggctccca acacacaacc ctgatgcacc cgttatgttg gaccgtatat 240
 tgcgcctctt ggcttgctac aata 264

<210> 40349

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 700941324H1

<400> 40349

ccgaaagccg aaccttaaac acaaacgcca aatctagcaa ctattgagtt ttgttttctt 60
 tgaaacatcg tgtgcacagt accccagaag atcgaacaag gatctccacg aagacaaacc 120
 tctgttttca actgtgtttc tttacctctc acctactttc agaccatacc agattgacta 180
 ggctgagaag atgcagcaga caccgcctat gattcctatg atgccttcgt tcccacctac 240
 gaacataacc accgagcaga ttcaa 265

<210> 40350
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941325H1

<400> 40350

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 ttcattctca tcattctcat catccctaag agattctggt gtacattaca aggctaggaa 120
 agtgaataa taaaagcata catagcggtt tttattttga catacatatt atatatagt 180
 caaatttgaa aggtgaagcc taccaactca tctgtaaaat tgtgaaagca ggaaagtga 240
 tggtatagta ccttttgtaa tca 263

<210> 40351
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941327H1

<400> 40351

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 cgtagaagcg ttagaacctt actgattctt ggaaagaggt ttctgaagag gggagactgg 120
 ctttcaggc tctgttctcc agagaggtgt tgcctcaaag cttttcacct cctcatgctt 180
 tgaagaatac ggatcatcaa atggacaacg ccaatgataa caagcaaac atagatgaca 240
 aagatgaaga tcttgacggc a 261

<210> 40352
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941328H1

<400> 40352

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 taggtagcca tgaaaccaca agtactgttt gcactttcgt tgtcaaatac cttgccgagc 120

tccctcaaaa tatttatgaa aatgtctatc aagaacaaat ggcgattgca aaatccaaag 180
 ctccaggaga gttgttgaat tgggatgaca tccagaagat gaaatattca tggaatgtag 240
 cttgtgaagt aataaggctt a 261

<210> 40353
 <211> 84
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700941329H1
 <400> 40353

gggaagagca caccaatcac ggaaatcaca cctccaccaa tccctgaaga gaatagtact 60
 gcaattaaga gtggaaaagt ccgt 84

<210> 40354
 <211> 262
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700941330H1
 <400> 40354

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 gattttcgtg aagactctta cgggtaagac tattaccctc gaggtggaga gctctgacac 120
 cattgacaat gtgaaggcca agattcagga caaggaaaggc atcccaccgg accagcagag 180
 gctgattttt gctggcaagc agctcgagga tggaaggacc ctgctgact acaacatcca 240
 gaaggaatca acccttcacc tt 262

<210> 40355
 <211> 266
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700941333H1
 <400> 40355

agtgaatgg cttccaaggc tgcattctc ttgtgtttca atgttctctt cttcaccgtg 60
 gttagctcca catatgtgcc atgcaacca cgccccaaaa ctccaaaaca cccacctgtc 120

ccaaagccac cttccccaag gcaagcaagt tgccccaag acactattaa gtttggtgtg 180
 tgtgtgatg tgtaggttt gatcaacgtg caacttgga agccaccaa gaccccatgc 240
 tgcaacctca ttgagggtct cgctga 266

<210> 40356
 <211> 128
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700941334H1
 <400> 40356

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 cctaaatga agatcaaaca acaatctctc ttctcagcct caattttact agttatagca 120
 cttattac 128.

<210> 40357
 <211> 217
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700941339H1
 <400> 40357

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 atccaaatgt aggggttgaaa gggcatgcat ttaaaatgag atccaaatgt aatgttgaaa 120
 ggtgacagag tttggccacc attattattt attattctag aatcccaagc gctaaaaaaaa 180
 aaaaaaaaaa gaaaaaaaaag aaaacaagat atgtaaa 217

<210> 40358
 <211> 260
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700941340H1
 <400> 40358

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 attcagcaac agaaacaaca accacaaca caacaacagc aacaataata tagacactct 120

accatgtgat ggtgaaaatg ttaacgttgt tgtgagacaa gggcatgtta gatctcaaag 180
 tgttcctaca atctcaaacc ctgccttgta tagaatgtcc ttggactacc accaccacaa 240
 ccaggaatg gggttgctca 260

<210> 40359
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941341H1

<400> 40359

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 agtagttctt ccttttctca aagcaaaaaa aatgttcac gagagtttca aggttgagag 120
 tcctaacgtg aagtacacag agactgagat tcagtccgtg tacaactatg aaaccactga 180
 acttgttcac gagaacaata atggcactta tcagtgggtt gtcaagccca aaactgtcaa 240
 atatgaattt aaaaccaaca cc 262

<210> 40360
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941345H1

<400> 40360

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 aagaaagaag atgaagcagc agagagtgga gtttatgggc atgggcatgg gcatgggcat 120
 gggcctgggc cttttggtgg tgatgatggc atgtgggtcg gcgagtgggtg cggatgattt 180
 ggcaaccaag tggtcagcgg tgattcagaa ggtaataccg tgtttggttgc tcgcgaaggg 240
 gaaggaagaa acgccga 257

<210> 40361
 <211> 173
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941346H1

<400> 40361

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tctgcaactt cagcagcttc aggatgagaa caaccctgac tttgtggtcg aagttgtctc 120
tctcttctgt gaagattctg aaaggcttct caaagatctc acctttgccc tag 173

<210> 40362

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 700941347H1

<400> 40362

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tgtgttcagc agctccatag tgtcgccgcc ggaggagctc gttgccgccg gcattcgtac 120
accgtcgccg aagatgacgg cggcggcgct gcggaagtgg ttcgaggaga agaaccctc 180
cgcagtgtcg gtggagggtcg gagagcatgt ccagctcgct tatacccacc agaacgagtc 240
gccgtttcag cccagatcc 259

<210> 40363

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 700941348H1

<400> 40363

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cgtctccgtg gtggcatgca gatcttcgtt aagaccctca ccggcaagac tataacccta 120
gaagtcgaga gctccgacac catcgacaac ttcaaggcta agatccagga caaggagggt 180
atccccccag accagcagag gctgatcttc gccggcaagc agctcgagga cggacgtacc 240
cttgctgact acaacatcca gaa 263

<210> 40364

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 700941349H1

<400> 40364

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 caagaggggtg ctggtgcgtc tgattgagaa ggaaattgag tttgaaacag tacatattga 120
 tctcttcaag ggagagaata aggaacctga gttcctaaag ctgcagccat ttggatcact 180
 tcctgttatt caagatgggtg aatatactct ctatgaatct cgtgcaaata tcagatactt 240
 ggagagaag tataaagacc aag 263

<210> 40365

<211> 128

<212> DNA

<213> Glycine max

<223> Clone ID: 700941352H1

<400> 40365

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 ttggctactt cagccgcgag cgcctcaccg tgaccgtcac cgacgtcttc gacaacttcc 120
 tcttcggt 128

<210> 40366

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 700941353H1

<400> 40366

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 taaccctgcg agagcttctg atccaggctt agactatggc atctccactc atgattactt 120
 gcattacttg tgcagtttgt ggtccacatc ctcccagttt gctatactgt cggtcggttc 180
 ttttaaattg gacatagaag catctcatcg cgcaggcgac ttgaccgacg cctcatgtgc 240
 tgagctaact agggcgagtg ct 262

<210> 40367

<211> 255

<212> DNA
 <213> Glycine max

<223> Clone ID: 700941354H1

<400> 40367

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 gactgtgcaa catgacacga agaactatga tgatgaagat aattggctctg tcgcctcctc 120
 tgctatgtct atgcgcacag ctagatctaa ggtaactcat gggttcagccc ctacatttag 180
 atgctccgaa cgtgcagaga aacgtaggga gttctatctg aagttggagg caaaacaccg 240
 agctcttcga agaga 255

<210> 40368
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941355H1

<400> 40368

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 caggctctac aagagcagca acatggcccg gcagcacaaa atcctcgaac tccaaacacg 120
 ccgcgtccag gttcagggtc aggtccttcc aatcacagtc aacctgtggt gcaaagtcaa 180
 cagaactcaa atcagagctg aattgatgtg tttgtggttt ctcttaacac taggggttgc 240
 agctgattgc ttttcattct 260

<210> 40369
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941358H1

<400> 40369

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 tcaatctctc ttattgggga ttgggtatat caatcggaac cggaagacgc gtacgcagat 120
 gagttggaaa cgactggaaa agcgaaaaaa aagcaccgaa aaacgttgcg ccaccttgat 180
 tactctctcg cggaagacaa aggctcggta ggatagggtg gtccttgagc tgcttgtgtc 240

002220' ETTES60

agcacaaagg agagttgtat

260

<210> 40370
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 700941361H1

<400> 40370

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ggaggccttt catatggagt tgacgatcag tctcttaagg atgcattttc tggctttaga 120
gatgtggttg atgcaaaagt tataactgac agagactctg gaagatcaag gggatttgga 180
tttgtcaact tctccaatga tgagtctgca agttcggcac tctctgcaat ggatgggaag 240
gatctagatg ggcga 255

<210> 40371
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700941362H1

<400> 40371

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caaaatgaaa agttttggag cagcagaaaa ttctgaggaa gtggataagt tatcaagctg 120
tgcttctgaa acagtcgaat cccctgagaa attggaaggg tcggctgagt ctcacccggg 180
gaacatgttt gacgatttca tgggtcttct gcagaatgtg aagcttacag ttattgaatt 240
ggtaagtagg ttgtctgg 258

<210> 40372
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 700941363H1

<400> 40372

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gatttatttg gctattgcc a ttgatcctag ccttattggt agtgcatttg tggcaacttc 120
 tttggctttt gcttgcttct ctgcggcagt ttagttgcaa ggcgtaggga gtacctctac 180
 cttggtggtt tgctttcttc tgggctgtcc attcttatgt ggttgcaactt tgcttctct 240
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<210> 40373
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941321H1

<400> 40373
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 attttattta cgttttattt tatttatttc ttacattata gttaattaaa tcattttttg 120
 atgatatatt aaattgagaa ttggactaaa attaaaaaat ttgtaaaata gaagggtcaaa 180
 tcttttttatt ttgaaataga agattaaaat tgcattttct ttaaaacaga tgtcaaagt 240
 ttttatttta aaatggagag act 263

<210> 40374
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941281H1

<400> 40374
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 ttccctgact gtcaaataatg gctcgtacaa ccactctcga gtgctctggt tgccctccac 120
 ttgcgctct aacgtttgac gcgcttggtc ttatcaaagt tgtggaggcc cgcgataagc 180
 aacgaggagc tcccctggtg gtagagaggt tgggcgaccc tggaatcatc caaatgtgtg 240
 atggctgtat caatgatcga ccgcaa 266

<210> 40375
 <211> 231
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941282H1

<400> 40375

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 agtcttctct atcgtgcgct ttcctttgac gcgtctgacc cttgctttgt ctgcgtcttc 120
 cttctgtctt tctttctttc tctgtgtgtc gtaatggctc tcccagactc ttcttcccgt 180
 cgcaactccc tgatcccctc cttcatctac tcctcttctt ccaaaacgct c 231

<210> 40376

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700941283H1

<400> 40376

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 actgacctct tctactgcat gtaacgactg agactccgta gaggactacc acgacgttca 120
 aactatgga ctcacagctt cccaccatct catgcaccca cttccgcaga gtcctcgact 180
 ggaggacaaa tgatgacggg aaggcactct gcattgaaga tacagtaatc ccaatactcc 240
 caacttcagt tcgaccg 257

<210> 40377

<211> 67

<212> DNA

<213> Glycine max

<223> Clone ID: 700941284H1

<400> 40377

gtttttgtta tttaaaaaaa aaaaaaaagg gtggtcgccg actatagaac tcggataccc 60
 gggattt 67

<210> 40378

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700941285H1

<400> 40378

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ttcagatcca aatgctatct gtgagtagtt aggagacctt aacagcttgg tttgattgtg   60
tgaaggcagt ttttcctgtg gtcagttaaa tgaatatact acaagcgaaa tgctatatac   120
tgttgatata ttccgggtctt gtgacatga cttcttggag ttgcttgacc tagtgacatc   180
gcagctcttg ctgaataaac atggaagtgg tagctaagat tagtaaggct aataaattga   240
gggtagtat                                     249

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<210> 40379

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700941287H1

<400> 40379

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tagcggagtt atatggacag gtgatgaatt agtagacgga gtgcctgaag acgctgacat   60
gcttcggtca aaggggcaaaa gattaatttg tgtcaccaat aactcaacaa agtctaggaa   120
gcaatatgga aagaagtatg aaacacttgg cctgaatgtc agcgaggagg agattttcgc   180
atcatccttt gcagctgctg catatctgaa gtccattgat gtcccaaaag ataaaaaggt   240
ttatgtcatc gg                                     252

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<210> 40380

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700941288H1

<400> 40380

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ttctcgaatc gtacggccag gggtcctttg tctacctcac tcagcttccc aactttctct   120
ctctacttag agagtagctt ctctggaaca ccgagtatgg agtccaacgg tcatgcaaga   180
gtcaagagaa atgatattat taaagaaaat ggctattccc atatgtcaaa tgttgatgat   240
gtact                                           245

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<210> 40381
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941290H1

<400> 40381

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 ctttcttagt gcctccttgc cagaagttaa aatggcccaa gaaactttcc tattcacatc 120
 tgaatcagtg aacgaggggc accctgacaa gctctgtgac cagatctccg atgctgtgct 180
 cgatgcatgc ttggagcagg accctgacag caaggttgcc tgtgaaacct gcaccaagac 240
 caaca 245

<210> 40382
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941291H1

<400> 40382

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 ctccgtacaa ggggtgttcaa gccagatgct ggaacagaag cggatgggaa gttggggatc 120
 gttctggtgc acccgatttc tattttgggt ggctgccagg gtctcctcaa aggaatcgct 180
 tctggcttgg ctctcaatgg ttacaccgct gtcacctttg acatgagagg cgttggcaag 240
 tccaccg 247

<210> 40383
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941292H1

<400> 40383

cgcataatgca gaacttgac ctgcattgtc tgatctgaat gttcttggtg agacctactt 60
 tgctgacatc cctgctgagg cgtacaagac cctcacatct ctgaatggcg tcaactgcata 120
 tgggtttgat ttgggtccgtg gaaccatac tcttgatttg atcaagggtg gatttcccag 180

tggaataac ctctttgctg gagtggttga tggaaggaac atctgggcca atgaccttgc 240
tgcttc 246

<210> 40384
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 700941293H1

<400> 40384

ggagaaggaa cttcaagcca aggaaactga attgagaaaa agggaaacagg aagtgagacg 60
gagagaagaa gctgcttcac gagctggaat tgttcttgag gagaagaatt ggccgccttt 120
tttccaata atccatcacg acattgctaa tgaaattcca atccatcttc aaaaattgca 180
atatgttgca tttactacac tgtaggatt agtggtgtgc cttttttgga atgttatagc 240
tggtactg 248

<210> 40385
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 700941294H1

<400> 40385

agtggtcca gctgaacttg aagcccttct tctcactcat cctaagatct ctgatgctgc 60
tggtgttcca atgaaggatg aagccgcggg agaggtacct gttgcatttg tggcatatc 120
aaatggttat accgacacaa ccgaggatga aattaagcag tttatctcca aacaggtggt 180
gttttataaaa agaataaacc gagtattctt cattgatgca attccaagt caccgtcagg 240
caaatc 247

<210> 40386
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 700941295H1

<400> 40386

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 ctgtgctagt tatgctatct gtaatcggtt tatagtatgt ttcattggct cttttggtat 180
 tgcaagaaat tttggttttg ttcgtgggta tcaacaagga tacatttacc agcagaagtt 240
 tagtcttgt 249

<210> 40387
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941296H1

<400> 40387

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 cgtaacaaca gagttgctct ttttgggtgg attgaggagg gtggcatcaa agcatcgtct 180
 ctttactcct caacttcttc ccatgaaatt gatgaacatg ataatgaaca agcattgggt 240
 g 241

<210> 40388
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941301H1

<400> 40388

gcttcagag ctgtaattct cgtgagcttc aatgttcacg tcgtcaccgt ggtagctcc 60
 acatatgtgc cattgaaacc acacccaaa actccaaaac acccaactgt cccaaagcca 120
 ccttcccaa agcaagcaag ttgccccaaa gacactatta agtttgggtgt gtgtgctgct 180
 gtgttaagtt tgatcaacgt gcaacttggg caaccaccaa agacccatt gtgcaacctc 240
 attgagggtc tcgctga 257

<210> 40389
 <211> 265

<212> DNA
 <213> Glycine max

<223> Clone ID: 700941303H1

<400> 40389

aacaagttat gtaacctttc accacagaat atgggagctt tcttttagaaa aggacgagga 60
 agaggaggct gaatttaaag ctaaaactaa agaacaagtt aatgctcctg aagatctgcc 120
 tccccaacta ttattttattc atcagggaca gaaagacctg aaggaactac attggcacac 180
 acagattcct ggaatgattg tatctaccgc tgaagatgga ttcaacgtcc ttatgccttc 240
 aaatattcag agcacactgc catcg 265

<210> 40390
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941304H1

<400> 40390

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 agagagtttg aagagcatct tgtcggagat aaggctgaat ttgaagacag gcaagtccac 120
 gagaaaacc attatctcgg aatccgaaca aagcaacttg gaagccggga tgggtcaacag 180
 aaacaagctc gggagaaaga cgaagtctcg gtacttagca cttgcgaggc cgtggcctaa 240
 ggtttcgggt tttgccaagg ttga 264

<210> 40391
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941305H1

<400> 40391

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 cttggggaac atattgcctt ggggagtatc ctatgcctcc cctgaatat tcaacctgct 120
 tgggtgatct gtacagtgtt gcttggatgg aagacagtga cagacacaat ttacgaacag 180
 aaactctgca tcaacaatat aaattgggta aagagaggac tatatctgga gattcatact 240

atggctctca cgtgatgcag tatgg

265

<210> 40392
<211> 261
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 700941306H1

<400> 40392

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gtaacggtaa ttgcgaaaga agatgcaacc aacatcgaac ggctctgact cgaaagcgac 120
ggagcagcgg acgnagccgc ctcagccagt ggccgtgccg ccgcagtgga tgccgatgca 180
atacccgggc gcgggcgatgg taatgcagca ccacatgatg ccgcctcagc attacgcgtc 240
gccgcagtcc tacatggcct a 261

<210> 40393
<211> 264
<212> DNA
<213> Glycine max

<223> Clone ID: 700941307H1

<400> 40393

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ggaaattact atttatacga aactacaaa aataccatca agtggttgag gaactttcat 120
tttctaccc ttaccattc cttttatcta tcttgTTTT gtgttttCct ttctttgata 180
tgttgagata agagcatgaa ggctagcaag atatgtaaga ttcatttttt ttatcccgt 240
tttgttgtag aagagatgtg aatt 264

<210> 40394
<211> 265
<212> DNA
<213> Glycine max

<223> Clone ID: 700941308H1

<400> 40394

002280-447E550

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ttcactcgac gaaatcggaa tcctcgaga aaccctacct cgtccaccac catctccaca 120
atcttgaccg gtccggttcg gtgaaccgct tctacggttc actggactcc atgaaatcct 180
caatccgcgg aaaaatgggtg aagaagctct gcaccttatt cgaatcctcc aaaaaaccct 240
tgccagaacc agaatccgaa tctga 265

<210> 40395
<211> 264
<212> DNA
<213> Glycine max

<223> Clone ID: 700941309H1

<400> 40395

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ccgccgaagt tcgacccctc ccagatcgtc gacgtcttcg tacgcgtcac cggcggtgag 120
gtcggcgcggtg cgagttccct cgccccgaag atcgggtcccc tcggtctctc cccaagaag 180
atcggagaag atatcgccaa ggaaaccgcc aaggactgga agggcctccg cgtcacccgtc 240
aagctcaccg tgcagaaccg tcag 264

<210> 40396
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 700941310H1

<400> 40396

ggaagacaaa acattctcac tccgaacaaa atgtcgatta acagcgaatc tacgccgcca 60
ccgctgatcg gcaaaatcgg gccttacacc gtcttcatga cgccgccgtc tacacccaaa 120
ccctccgacg accaccccggt caccaccaag atcgcacctc cgccgcctca gattcccaaa 180
gccgttcctt cccccaaacc cgtctccgac cccgacgatt ccgtcttcgg cttcttcaga 240
aatgccgtta ccaagggtcca aa 262

<210> 40397
<211> 85
<212> DNA

<213> Glycine max

<223> Clone ID: 700941312H1

<400> 40397

cttctcaacg tggaagtgtt ggtggtcctt taaataaaag agaagcacag cggaagatag 60

ctcgcctctt ttcagtacct gccaa 85

<210> 40398

<211> 263

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700941319H1

<400> 40398

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gggtttgttg ccacttagta tgaaagaggg tgtgaagaga gtgtggagaa gatttggtgt 120

tgtggccatg gcggagtcta agagtactgt gcttgttacg ggagcgggtg gtcgcacagg 180

acaaatgaga nacaaaaaat ttagagagag gccaaaccaa tatgtggcta gaggtctggt 240

tagaacagat gatagcaaac aga 263

<210> 40399

<211> 103

<212> DNA

<213> Glycine max

<223> Clone ID: 700941320H1

<400> 40399

ccttgccatc tggaaggcga gtaggcctct gagcagtggg gaaggttggg agacaatgag 60

acgtgaattg tcggttttat acagtcgttt ctatgggatc cta 103

<210> 40400

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700941280H1

<400> 40400

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 catgattatc ccatggcata cttctgtgtc cagctacgag cagtggctgc gcaatcatga 120
 tttatgaaga aacaagatat acttttaatg aatgttttgt cttttttttg tcagtggaaa 180
 tcaaccatgg taagggaatt gatgatgact tgtgaatatt tctttgcaag acatcggta 240
 tggaagaa 248

<210> 40401
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941250H1

<400> 40401

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 gaagataaga gacgacatag ggaccttaag aagatgcaag atctactcct aaatcaaaag 120
 gaagccatgt atggttctaa acctagtcca agaaaaata acagcttttag aaagactaat 180
 agttaccgcg caaatggcaa tggatctatg cctcctacac cccgtcgtaa ctccctaagt 240
 ggtggaacaa catctgaac 259

<210> 40402
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941251H1

<400> 40402

aaactcttca gcaattccat taactcaact aattcctcgt gtatcaccca tgccgagatc 60
 gaatcggaat tctcccacca ccacccacg gtggcgcgcc tcaacaacgg cgccttcggg 120
 tgctgcccgg cttccgtgat cgccgtgcag cgcgagtggc agatgaagaa cctccggcaa 180
 ccggaccact tctacttcaa cgacctcaag aagggaactcc ttcactcccg caccatcatc 240
 aagaacctcg tcaacgccc 259

<210> 40403
 <211> 256

<212> DNA
 <213> Glycine max

<223> Clone ID: 700941254H1

<400> 40403

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 ggaaaaggct cagatcaaca ttgtggtggt tggatcatgtg gaccctgagg aggcaaccac 120
 cattaacgag ctgaagaagc ctgttgtgga gaaagaagct ccagggcagc ccatatgagg 180
 gcatgcacgt acggcctcgg aggggaacca gaaaattatg ttaacaaaat aatctggaac 240
 cctaattgtat cagtgt 256

<210> 40404
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941256H1

<400> 40404

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 cttatgcctt gcatgagaag catgaggcca agaaagaccc agagcatgct cacaggcaca 120
 aggtagaaga ggagattgag gcagcagcta ctgttggtgc tggatggtttt gtcttgcagc 180
 aacaccatga gaaaaaggaa gtttaagaaag aagatgagga agctcatgga aagaagcacc 240
 accatctgtt tggctgaac 259

<210> 40405
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941257H1

<400> 40405

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 tgggacaaca tggatgacct gtggatgctg gacgacgtcg ttgtgcccac ccgtcactta 120
 atttactaga agggagataa ttaattaatt aataaatggc gttttcttaa gttatagttt 180
 tataaaacta tgttggtgta tgtgttctta gttttctggt ttgtcttgct ctctcgcttt 240

002243.032200

ggtaatttct gtttt

255

<210> 40406

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700941258H1

<400> 40406

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tccgatattg gtttgtacca gacaccttgg cttgggggtgt gaatcttcca gtcacatctag 120

tgattatcaa ggggacagaa tactatgatg gaaaagcaaa gaggtatggt gattttccaa 180

tactgatat tttgcaaag atgggtcgtg ctggacggcc tcaatttgat caacatggga 240

aagctgtgat tcttgt 256

<210> 40407

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700941259H1

<400> 40407

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tgtgaaagag gaaaatattg ttgtatttat gtatgatgac attgctttca atgaagagaa 120

cccacggcct ggagtcatta ttaacagtcc acacggaaat gatgtttaca agggagttcc 180

taaggattac gttgggtgaag atgttactgt tgacaacttt tttgctgcta tacttgga 240

taagtcagct cttta 254

<210> 40408

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700941260H1

<400> 40408

tctggattgt ggaatttttc gcaccttgggt gtggacattg taaaaaatta gtcacagagt 60

ggaagaaagc atccaataat ttgaaaggga aggttaaact gggccatggt gactgtgatg 120
 ctgaaaagtc tctaatagagc aggttcaaag ttcaaggatt ccctacaatc ttggtatttg 180
 gtgctgataa agatagtcct attccttatg aaggcgcaag aactgcctcg gctattgaat 240
 catttgcaatt aga 253

<210> 40409
 <211> 214
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700941261H1
 <400> 40409

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 gtgagtgaga gagtagcagc tagcaatgga gatttctgcc cttagcttctt ctgctactcc 120
 aagaccttct cttacgactc cttccacttc tccacacact gtagtcacca ccaccttcag 180
 caaacctcaa ctgggacgct ccacgtggca gtat 214

<210> 40410
 <211> 254
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700941262H1
 <400> 40410

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 tggtcacgaa tggcgactca aatccgaatc ctaagaagcc aagaatggaa tatggcagt 120
 ggctgggtca ggcagatgaa aacaatttaa aacaaggcac aaaacaagct tcaaagaact 180
 atcaatttgg tcttttcgct cgggcttggt tgcccaaagt tggagcctct gagaataata 240
 atctgaagca ggtg 254

<210> 40411
 <211> 238
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700941263H1

<400> 40411

ccagtgtgaa ccagtctcac ctcatgatt cattctccgt cagaaatacc ttctctttgc 60
gaaagagaag agatctgaaa ccctaaccct aaccctaacc agaggtaatg gattcagtgc 120
ctcgaagaag cagaggagga ggctcttgga aaacctcgac aaggctcctaa tgcgtggcaa 180
ctgagtctac gtcaccttcg tcacgcagg cgccttcctc ggagaacggg ctttgat 238

<210> 40412

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700941264H1

<400> 40412

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ccttattcac attagatcag actatggatc gcccaact atcatcatta ttttcattcc 120
tactaacact tcacttatca ttatcagggg taatttcaac aacattcact ctagttaaca 180
aatgtgacta caccgtgtgg ccgggaattc tttccaatgc ggggtgttct cctctttcaa 240
ccaccggctt gggt 254

<210> 40413

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700941266H1

<400> 40413

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aacctcttga ttctttgctt agaattccac agaatatgga gactgttctt ttcaatgact 120
ccccaccttt ggagttcaag ggtatgagca aggaggagga agactcattg ctagggcaag 180
ttgaaatatg gaggtacatg acatgcttca cggactccgt ggccttgaaa tccgtcatag 240
agctgcgcac agccg 255

<210> 40414

<211> 254

<212> DNA
 <213> Glycine max

<223> Clone ID: 700941267H1

<400> 40414

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 aagagaacgc tcgtcacatg gcgaggctcc gccaaatcat catcgctgc aacgttatct 120
 atgttttgct tagaatgttg gtgttccatt cgagcttcac ctggaagcac tggattgggt 180
 tgattgtgac ttctttggca tatgttattc cctatcaaca gctcggaag atggcaacct 240
 ctgcttacgc tgaa 254

<210> 40415
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941268H1

<400> 40415

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 ctgaagatgg gtggcattgc atttggacgc tttgatgatt ctttcagttt aacctcaatc 120
 aaggcctata ttgctgagtt ccattcaacc ttgctctttg tttttgccgg tgttggttca 180
 gccatagcct atggtaagtt gacatcagat gcagcacttg atcctgctgg gttactggca 240
 gttgctattt gcc 253

<210> 40416
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941269H1

<400> 40416

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 accagttgtg gtgggaggag ttgtagaatc aagtatctgg ctccctttcca catagcgtgt 120
 tttatttact cggctcataa tttgacttta ataaagctgg tgttttatat tgttctttgt 180
 tatgctatag tgtggatcca acattggaat atgccaaaaa aaaaaaaaaa aaaaaaagag 240

aatgaaag

248

<210> 40417
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 700941270H1

<400> 40417

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ttagatagtc atggcttcca ccttcgacgc cttcttcgtc gacgacgacc acttcgccgc 120
ccccgccgcc gccgacacct tctctggcta ccccgacttc tcctccttcc cctccgacga 180
cgtcttcgtc gattacgccg acaccgcggc gtcgccggag atcttcggat tcagcgatcc 240
cggtccagtt tactc 255

<210> 40418
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 700941271H1

<400> 40418

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gttgagctgg ggtccaccga gttaattttc cagaaccggg atctgatgaa caaggtgaac 120
gttctgttca atttcagcaa caacaacttc gacatggggtt cttcttggcc cgccaccagc 180
gccgatcagg gcgaaaacga cccttcctcg ctctggctca gcgatcccga agttagggat 240
tccattaaca ct 252

<210> 40419
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 700941272H1

<400> 40419

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aatcacccat gttggagggtg acatgttcgt gtccattcca gatgctgatg ctatttacat 120
 gaagtggatt ctgcatgact ggagcgacga gcactgcgtc aagatcttga agaactgcag 180
 gaaggcaata ccagagaaaa cagggaaagt gatcatcggt gatcacgtgc tgcggcccga 240
 aggcaacgaa c 251

<210> 40420
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941273H1

<400> 40420
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 ttcaccttgc ctttaaggaaa atccttgggg caagtttccc ttcactggat ttgttgccat 180
 gttgtcctcc atagggacct taatgggtgga ctcatctgcc acagggtttt atcataggca 240
 acatttttaa 249

<210> 40421
 <211> 250
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700941274H1

<400> 40421
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 ggtcctgcag gtgaccanca tgaaactcaa ggttgatctt gagtgtgata aatgctacaa 120
 gaaggttaag aaacttctcg gcaagtatcc tcagtgattc gggaccagaa gttcgatgag 180
 aaggataaca ttgtgttcat cacagtgggtg tgttgcagtc cagagaagat aagagacaag 240
 ctttgctaca 250

<210> 40422
 <211> 251
 <212> DNA

<213> Glycine max

<223> Clone ID: 700941275H1

<400> 40422

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 ttggagtgca cgaaagcgat gccaaaaaaa ccaaacaatc attaacaaca gccctaacc 120
 ccccgacgtc tttcaaaact gattcggagc aattaatgta aaatctatgg acatcaacga 180
 ggaatcttca ttctctctcc gtttttggtt gcatcattaa tagaccctaa tggaccgaa 240
 cccgacagcc t 251

<210> 40423

<211> 83

<212> DNA

<213> Glycine max

<223> Clone ID: 700941276H1

<400> 40423

gcctcaattc tgagaaggaa tttctcttat ttccaaaagc taattcccgat gatggtgaaa 60
 atggcacaat attttcactg tag 83

<210> 40424

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700941277H1

<400> 40424

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 ttataggctc tatgctcctt ttacacggg agtagttagt tcaggaattg catactatgt 120
 tcaagggtg gtgatgaaac taagaggccc cgtatttgca acagccttta atcctcttg 180
 catgatcatg gttgctgctt tgggctccct tatattagga gaactgctcc atctcggaag 240
 tatcattgg 249

<210> 40425

<211> 251

<212> DNA

[illegible]

<400> 40425

<210>	40426
<211>	259
<212>	DNA
<213>	Glycine max

<400> 40426

<210>	40427
<211>	263
<212>	DNA
<213>	Glycine max

<400> 40427

16065

002220.032200

aactcgtcgt cattttcatg agt

263

<210> 40428
<211> 281
<212> DNA
<213> Glycine max

<223> Clone ID: 700941215H1

<400> 40428

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ccttcttatt agcctccccc cctcacacct accctatcat catgcaccac ttgccatgg 120
acaactctca gctcctccaa ttccttccca acaccaccac caccaccacc accaccaaca 180
cccccttctt ccatgctgca cctcagactc acaccatgca ccacccctc tctactaatt 240
cctccaatag tactaattac tagcctgcc acctctccca a 281

<210> 40429
<211> 267
<212> DNA
<213> Glycine max

<223> Clone ID: 700941218H1

<400> 40429

ggcttatggt ggatacctag gcacccagag acgaggaagg gcgtagtaag cgacgaaatg 60
cttcgggggag ttgaaaataa gcgtagatcc ggggattccc gatataggtc aacctcttcg 120
aactgctgct gaatccacgg gcaggcaaga gacaacctgg tgaactgaaa catcttagta 180
gccagaggaa aagaaagcaa aagcgattcc cgtagtagcg gcgagcgaaa tgggagcagc 240
ctaaaccgtg aaaacgggggt tgtggga 267

<210> 40430
<211> 264
<212> DNA
<213> Glycine max

<223> Clone ID: 700941219H1

<400> 40430

cgagaagctt cgcgaacgaa aacaaagaac cctagacaga tccattccat agccatgtca 60

gggtgttgcc ctctatctca ggattgggaa cccgtcgtcc tccgcaagaa ggctcccacc 120
 gccgccgcca agaaggacga gaaagccgtc aacgccgccc ggcgctccgg cgcggaatt 180
 gaaaccctaa aaaagtataa tgctgggaca aataaagcag catctagcag cacttcattg 240
 aacactaaga ggctggatga tgat 264

<210> 40431
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941220H1

<400> 40431
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 tcggtctctt caggttaggg ttatcgtgg attttgtgtc acatgcaacc atagtaggg 120
 tcatgggagg agcagctaca gtggtttgtc tgcaacagtt gaaatcaatc cttggcctag 180
 agcattttac ccacgaggcc gatctcgtgt cagttatgcg ctctgttttt tcccaaacgc 240
 atgagtggag gtgggaaagc gct 263

<210> 40432
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941222H1

<400> 40432
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 tttctgatct gtgatctctg atctgtttgc gttacttgat cttatgatac ttgtgttact 120
 atatgattct tttattactc tcacgccaat aggtacgttc atcttcttcc tttcaccaaa 180
 ggcgaagatc gatcggttac tattcggttc tgggtttttg ttttcgtgct gtttttggtt 240
 cagatctgat ggtttttcgt gttt 264

<210> 40433
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941224H1

<400> 40433

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 taatcttggtt ttctacagc gttgggtcac taaattccct gagtactcaa ataacgactt 120
 cttcatttca ggggagagct atggagggtca ctatgttcca caacttgac aacttattgt 180
 tcaaaccaag accaacttca atctcaaggg aatagcaata gggaatcctc ttcttgagtt 240
 taatactgat ttcaactcaa gatct 265

<210> 40434

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 700941225H1

<400> 40434

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 gcaaccaatt ccatttccag tttctgattc gtcaaacgga caaaggaagt gaaaggggtt 120
 aggggtgtgac ctgagatcaa catgttgagg aggcttctct cttctcacct caaaacccta 180
 gccgccaccg cttcttcttc cactccccga tctgcttccg ccgccgccag attcgccgct 240
 ctctctcgct cctcccgtta cttct 265

<210> 40435

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 700941226H1

<400> 40435

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 ggaagagaga ccaaatgcga gaaggagcat cttgtatcaa cataaagaaa aatattagac 120
 aaaaccagga aacacagcac taacagaaca agacaaatta cctttccaaa tgcagaagga 180
 tttctgatcg ataggtgaac cagttatagt ctgaataact tcaaacaaca tgctctgcgg 240
 agtgctcctg agctcttgta ca 262

<210> 40436
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941228H1

<400> 40436

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 cgagtacgag accgagaacc gccactacgc ccacgtggac tgccccggcc acgccgacta 120
 cgtcaagaac atgatcaccg gcgccgcca gatggacggc gccatccttg tcgtctccgg 180
 cgccgacggc cccatgcccc aaaccaaaga acacatcctc ttagcctaac aagtcggtgt 240
 cccaacatg gtcgtcttcc tca 263

<210> 40437
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941229H1

<400> 40437

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 atttcattcg tgcaaagtat gacgagaaga gatggattcc aagagatggg aattcaaaaa 120
 caccttctgg attgagggaa gagaaaagtc cttcacattg gcagaggcct gtggagcgaa 180
 gtggttatgc tgctgtttct gaaaataaat ttgaggaaag gaagaaaatc caaccatcaa 240
 atgcaatttc taccacaag 259

<210> 40438
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941230H1

<400> 40438

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 tctttggcag ttagtaccta cgtatgctat atatcttag cctctgtatg tactaagggg 120

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atatataaag aaaattatca gactcttttc ttcaccttgc ttctttggag gttccttagt 180
cgtccttgaa ttctaaggat tgttttctgat atccctaaca tcttggtgct ttcattgagc 240
acatgactga atcaacgcac                                     260

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<210>      40439
<211>      260
<212>      DNA
<213>      Glycine max

<223>      Clone ID: 700941231H1

<400>      40439
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<210>      40440
<211>      258
<212>      DNA
<213>      Glycine max

<223>      Clone ID: 700941234H1

<400>      40440
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<210>      40441
<211>      260
<212>      DNA
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<223>      Clone ID: 700941235H1
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 ctctcgttct ctctgcaaaa accttcgttc atcgtaacc cagcactca aacaacaaat 120
 cattcattct ttcaattgta acatataata aaaaattggt tgtttcgcca gcaaaaacgc 180
 tgacaccaag gccagtaggg ccgcgcgctg gcgatccacg ggcacgttg ctttgcgcca 240
 ttccaaattt aagacgtttc 260

<210> 40442
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941236H1

<400> 40442
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 tcttcacacc gaagaaggca tcaaatacct cgatcaattc ctttctggga agaactatat 120
 ctctggggat caattgacaa aggatgatat caaagtgtat gcagctgttg tagaaaagcc 180
 aggagactct tatcataatg ctgctaagtg gaacgatgac gtcacttctc aacttgctcc 240
 aagcttcact gggcacgctc aag 263

<210> 40443
 <211> 116
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941237H1

<400> 40443
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 atgatctcac tctcccgctc tctctcatgt gttatcgta tgtctcattc agaatc 116

<210> 40444
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941239H1

<400> 40444

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 ttatcaactc ccaaaagaca cgaatttgca gctgaaattt tatcaatggc gaaattgagc 120
 ataggatata atttttttcc ttggtttact atttttacca ttaaccctta attgtcactc 180
 cccttatggt ttgcccgttt agtattgtaa aacaaattat agcaaaatat ttttttcaac 240
 acttttattg ggcagatttt t 261

<210> 40445

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 700941240H1

<400> 40445

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 gaaagcacat cacaagaaaa ttcgcaagcg atggatccga agctaaaaga ggtttctcag 120
 ctcttcgacg gctttaaggc ttcgtttatc aggaacgact ttgatacctg ttccaatctc 180
 ctttctcagc taaagggtgtt acttacaggt ttcagaagcc ttccaccgtt gtttgcagat 240
 acacctaatag cagttcatga at 262

<210> 40446

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 700941242H1

<400> 40446

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 acaaatccca atcactcgct gaggaatatt atgtgaagga taagcaaaca gctgtagttg 120
 aaaaacctgt tgagggtcaaa gaagttgaaa acccagagga ggctgcttct gaggaacctg 180
 ttgctgagaa aactgtggaa gaaacaactc ctgttgccc tgcagttgct caggaaagca 240
 gtgaagtcac cctcctcc 259

<210> 40447

<211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941243H1

<400> 40447

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 aagctttttg ccagcctcat aatgcttgcg gggcttgatg ctgagctatt tcgtctataa 120
 aaatgaaata taggtttttg aagtaccttt tttttttctc tctttgttaa accctaacct 180
 gtgggatgtt gggttttgaa aggagtggag ccttacagaa ttttggccag gctctgctgc 240
 atgtattttg ttcc 254

<210> 40448
 <211> 273
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941244H1

<400> 40448

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 cttcgctaca gatgcttcat tccaagatcg ttaggactgc tgtaggctga taaagacgac 120
 actcataccg ttggttaagaa ggatgctgct ggccatgttg cttaatttag ttcttgcttc 180
 ctttgtcttc ttgagtttta tcagagacgg gagtgcaggg atcactagct ctttcattcg 240
 gtcagagtgg ccggcagttg acatccccct tga 273

<210> 40449
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941245H1

<400> 40449

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 ccgtttgata ttgggggtgg acacgtggat cccaacaaag caatggatcc aggactaata 120
 tatgatatca ccactgagga ttatgttcaa ttcctatgtt ccatgggtca cagtagtgca 180

tccattagca aagtgaccaa gaccaccaca agttgtaaga aaggaaaaca ccaaactg 240
aacctcaacc ttccttcc 258

<210> 40450
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 700941246H1

<400> 40450

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aggcccagag tgggtgcagaa gacaagattt cccaatcggt ttogttcaag gaggagacca 180
acgtggttcg cgacctcccc gaggcgcaga ggaaagccct tgatgagctc aagaggcttg 240
ttcaagaagc gctcaacaac catgagctaa c 271

<210> 40451
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 700941212H1

<400> 40451

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taagaggcaa tttagcttca ctgttagggc catccaatca gaaaagccaa cctatcaagt 120
gattcaacca atcaacggtg atcccttcat tggaagcctt gaaaccccag ttacatccag 180
ccccttgatt gcatggtact tatcgaacct cccgcatac aggaccgcag tgagcccact 240
actaagaggg atcgaggtgg gcc 263

<210> 40452
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700941177H1

<400> 40452

aaataactaaa aaagaaaaga agaaaaacaa ataaacagtg atggaaattg aggcaagcag 60
gccggtggtg gcaaagaagg tatggaacat ggtacgcgtg ttgttcttca tgctgagaaa 120
gggcatagcc aagagcaaaa taatggtgga gttccatctc atgctcaaac gtggcaaact 180
tgcacttaac aacctcatcc tcaaccatca ctactacaac atgcagacct ccttcttcac 240
atgccgatcc cac 253

<210> 40453
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 700941178H1

<400> 40453

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gatcccaata tcaagcttct tccgggtcaa ggagagccat tggaaaaccc gtgaagatat 120
tgacgacttg tgggtagact taattacctc actgtcacca aaccagatat catgtatgca 180
gttagtgtgt taagtcaatt tctgaatgct ccttgtgatt gccattggaa tgctgtcatg 240
cgcattcttc g 251

<210> 40454
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 700941179H1

<400> 40454

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gtctgcacta cagtccttag agtgaccaag aaagaggaag agtttgtatt caccgatata 120
tttgaaaggc ctgttccttc tttgttaaga ggatacagtg ctctatttcg tctggaatct 180
gatctcactg atagcgacct gtttttctta ctagccaatg attccgattc attcaaccgt 240
tgaggagctg g 251

<210> 40455
<211> 255
<212> DNA

<213> Glycine max

<223> Clone ID: 700941180H1

<400> 40455

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 tgcaattgat ctcccaattc taggtctatc tgattgggac tatggctgtc actatttgtc 180
 ttgaaagatc aaacatgttc aagtacttgg ggaaattgca tctcttgga aagtagagga 240
 ccagaggact tactt 255

<210> 40456

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700941181H1

<400> 40456

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 ggccccacc tcccgccaat gtcagtgttg aaattgatgc ttcgcttggg gattctgatg 180
 gcccacaaaga tactgctttg aagaaaaggg ctagatgtga ttcaagtact gcttcaagct 240
 ctaaagc 247

<210> 40457

<211> 248

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700941182H1

<400> 40457

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 gggagccgcg gattcaacaa atgcttatct tcggaatgac cacgttcaga ttctgaattc 180
 agtgctaaaa agaaatgaga atgccatagt acggaactac aagcatgggt tctcaggatt 240

cgcagctc

248

<210> 40458
 <211> 244
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700941184H1

 <400> 40458

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 ttgcttatgg gctcgacaaa aaggccacta gctctgggga gaagaatgtt ctcatttttg 120
 atctcggtgg tgggactttt gatgtctctc ttctcaccat cgaggagggt attttcgagg 180
 tgaaggccac tgctggtgat actcacttgg gaggtgaaga ttttgataac agaatggtga 240
 acca 244

<210> 40459
 <211> 250
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700941186H1

 <400> 40459

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 ttctttctag tgctactcac caaggcaaac tcaaccaaca ccgtttcttt caccgtcagc 120
 aagttttccc cagccaaca aaaccttatc ttccaaggag atgctgctat ctcaccctcc 180
 ggggtgttac gactcaccaa ggttgacagc aacgacgtgc caacgacggg atccctagga 240
 cgtgcccttt 250

<210> 40460
 <211> 248
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700941187H1

 <400> 40460

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tcgtgaacat gctctgcttt cattcaccct tgggtgtgaaa cagatgattt gctgctgtaa 120
 caaaatggat gctactacac ccaagtattc caaggccagg tatgatgaaa ttgtgaagga 180
 agtctcttcc tacttgaaga aagtaggata caaccctgac aagattcctt ttgttcctat 240
 ctctgggt 248

<210> 40461
 <211> 244
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941188H1

<400> 40461

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 ctttgaccaa ccaaattatg atgcatacat ggcagacgtg gaagtaagag cagcacacaa 120
 cgtgctggaa gcatgagctc agacagaaaac tatagataaa gtgattttca cttcctcagc 180
 taccgcagtt gtttggaggg aagatcgcaa gaccatggaa ctagatctag atgagagaca 240
 tgga 244

<210> 40462
 <211> 141
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941189H1

<400> 40462

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 tgaaggctag ctttggcccc agatagagga aaagaaaaaa taagacaaag acaaaccgtg 120
 caatgaataa gacaaagctg t 141

<210> 40463
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941190H1

<400> 40463

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 aacagtgccca ccgaagcaat gactgaaggt ggatcctcag tagttgcatt gaatagggtt 120
 gtagaaatat ggaggagca ttaatggtat agaacttgag aatgagagaa tgatttagaa 180
 atgtgcatga gattcagtat aagaactgaa tttctttctc aataaagaat gagcacgagt 240
 taagttggt 249

<210> 40464
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941191H1

<400> 40464

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 aaggcagctg tagagaccga atctgatcat accaaagact tgtcaaatcc ttggaggctt 120
 tgcacagtaa cacaagttga ggaactcaaa tcagtaatct cattactccc agtttgggca 180
 tcattgattg cctttgcaac tgtgtacggt caaatgagca ccatgtttgt tctccaaggc 240
 aacacaatgg 250

<210> 40465
 <211> 242
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941192H1

<400> 40465

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 cttgttatac ctcatctctc tatggaggaa tattgaggaa cgggtgaatt ttggggcaga 120
 gaaaacttta ttataataac ttttaagtgt gttgtggacc attttttctt cttctgaact 180
 tccaattctg tttcacttgg cttcgcaaaa gataactgac tcgagtataa gttgcttggt 240
 tt 242

<210> 40466
 <211> 254

<212> DNA
 <213> Glycine max

<223> Clone ID: 700941196H1

<400> 40466

caagccaagt gaaagtgaga acaaataaaa atcaaagagc ataatgtcag ggatcattca 60
 caagattggg gagacccttc atgtgggagg gcacaagaag gaggaggagc ataaggggtga 120
 gcaccatgct ggagaatata aaggggagca ccatggtgaa cacagtagtg agtacaaagg 180
 agagcatcat ggtgaacaca aagctggaga gtacatgggt gagcacaagc cagagcacia 240
 agaggggtcc tagc 254

<210> 40467
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941202H1

<400> 40467

ctttgttcca gcgaaacaaa gctcttgtaa aggagttaag cacacccccg cctggagcta 60
 ctgatttgta tttccccact aggtattctc aatccacatt ggggcaattt aaatcctggt 120
 tttggaagca atggctgaca tactggagga gtccagatta taatcttgtc agatattttt 180
 tcacattggc ttgtgccctc atgataggga cagtattttg gagaattggc aaaaacaggg 240
 agagctcagc tgacctgaca atgattat 268

<210> 40468
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941203H1

<400> 40468

tattagggtt tttgagtgcg gtgcggcgat cctagcactc tcttctgcag ctttcgccga 60
 cagcttcatt caccatggct gagcaaaccg agaaggcttt tttgaaacaa ccaaaagtgt 120
 ttctcagctc gaagaaaact gggaagggaa agagaccggg aaaggggtggg aaccgctttt 180
 ggaaatccat tgggcttggg tttaagactc ccaggggaagc catcgaagga acctacattg 240

acaagaagtg ccccttcact ggcaatg

267

<210> 40469
<211> 264
<212> DNA
<213> Glycine max

<223> Clone ID: 700941204H1

<400> 40469

atcgagccgg gaaggtgggg tgcttgatgc tgatgaacgg tggggatgaa gcggatttga 60
atggtggggc cggggccaca ctcggaatt accaacagca agggtttgag gttgagtatg 120
acttgaaga gaagcgcgtg gggttcgcaa ggaggcagtg cgcgttgctt tgggagagag 180
tcaatcgcga caaaaactag cgtaaggat cgtgcactga acatactaga ttccctcccc 240
tgctttctgt cacgggtcgg gttc 264

<210> 40470
<211> 267
<212> DNA
<213> Glycine max

<223> Clone ID: 700941206H1

<400> 40470

gaaatatgga tgtcccagaa aagaaccatg ttttcaaagg tccatatctg aggtgacttt 60
ggagagagtg tctggtctgt ttggttcctt gtcagtcctt ctttcaacag gcagaactag 120
aggtacacta catcgacaga gtagtgaat tgaaaattcc agcaatcctc caaagcttcg 180
caggaatgcc tctactgcat gtgatacgat tagcacttcc caatatgctc ctttgaagtg 240
cacaagcggc ttctgttttg atgaaaa 267

<210> 40471
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 700941207H1

<400> 40471

gtggtttggg cagtccaaca aacaggcccg agtggagaag caagtggcga atacgacgtc 60

gtgggggtag cgaacctatt tccgaagcaa gatcgtggac gtcgttgggg ggtcagacag 120
 cgcaattgaa agctcagaag cattgttccg ataatcttc gcaggaaaac aaaacaaaag 180
 ggaaaggatg attagcattc tgagccagcg gtggatttgg gttgggaata ggaacggctt 240
 ctgggagctt cgttggg 257

<210> 40472
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941208H1

<400> 40472

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 ccgctgggtt tggtggtgtt ctgagggacg catcagcaaa gtggctccgt ggctttgcta 120
 aaaaactgaa ccctacttat gcagtgcacc agacagagtt agaagccatt ctcacgggct 180
 tgaagggtggc ttcagagatg aatgttaaga aactaattgt ggagtcagac agtgactctg 240
 tggtgagcat ggtggagaa 259

<210> 40473
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941209H1

<400> 40473

gagagaatta cagagcattt tccaacacga ttacacgacc gaatcaaacc cctctttctc 60
 tccgaagctg cttttaatat cgtactggcc ttcgattggt ctctctttta atacatactg 120
 ttctctcttc gatttgaggg aacagtacaa gagtctgagc atcggttaac ccaactgcac 180
 aggtagtctc caaataatgg agcctcatga tgagactgga tgccaggctc ctgaacgccc 240
 cattctttgc attaataatt gtggct 266

<210> 40474
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941210H1

<400> 40474

tggaaactgg agaaattagg catatgaccc tgtaaattag ggtttatgat taagttcaat 60
tattttaagg tgttgtctgt gtgtgggtta agtttcggta tctgtgttgg tttcgtttcg 120
tgttcctgtg gttttcgttt ttgacctaca attctagtgtg tgtttatagt cgatcgaatg 180
aaatgatagt aagaaattat cgcatcaaaa aaaaaaaaaa aaaaaaaaaa aaaaaagaaa 240
aaaaaaaaag agaaaaaaag agggggc 266

<210> 40475

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 700941211H1

<400> 40475

gcgattttcg attctcttct ctgcaactat gcctaaccct aaggtcttct tcgacatgac 60
catcggcggt caacctgccg gccgcatcgt gatggagctc tacgccgacg tgactccgag 120
caccgccgag aacttccgcy cgctctgcac cggcgagaag ggccgccggc ggagcggcaa 180
gcccctccac taaaaggct cgtccttcca ccgcgtgatc ccgaacttca tgtgccaggg 240
cggcgacttc accgccggaa 260

<210> 40476

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700941176H1

<400> 40476

ctcagctatt ctctcttctc tataagttcc tctcctccat tgtttttccc tcccattctt 60
ccatttctgt tttctcccat cctctctcgc cgctctctct cccatggaat cctccgctgc 120
cattcgatct ttctactatc ccataggcac tatgtcccat gtgcgagcct cccttgagaa 180
gcaggctgta gttcccatcc ataatgccgc atggaactct aaaagtaggc ttttcatcca 240
gcatttggca t 251

<210> 40477
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941145H1

<400> 40477

caccacaag tcatcaaact tcgattgagt ttcaaagaga tcagtggtag tgtggtacat 60
 tgtgttgatc aaggatggaa caaaagaagt ttgtggcact attaatgggtg gtggtgggtga 120
 tggcttcttc tatgtggaaa ggatccaaag gtcttagtct ctgtaacatg gatgaagatg 180
 gattggaggc ttgcaagccc tcagtgactc agccaaaccc agttgatcca tcccctgatt 240
 gctgcaaggc tctggat 257

<210> 40478
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941146H1

<400> 40478

gagatagtgg cggggtagt acattacagt gtgggcataa aattttcaaa gtcgaagcga 60
 gaacttgcca ttctgaggggt tttaggggtta gggttttctc aaattgcaag aacatgggtt 120
 tcaacattca accctatggg attcagtcca tgctcaagga aggccataag cacctttctg 180
 gcctcgatga agcggttctc aagaacatcg acgcctgcaa acaactttcc actatcactc 240
 gaactttcct cgggccca 258

<210> 40479
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941147H1

<400> 40479

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 gacaatggcg gagacagaga cgtttgcttt ccaggctgag atcaaccage tcttcagtct 120

catcatcaac accttctact ccaacaagga gattttcctt cgtgaactca tcagcaacgc 180
 ctccgatgct ttggacaaga ttcgatttga gagtttgaca gataagagca agctcgatgc 240
 tcagccagag ttgttcat 258

<210> 40480
 <211> 253
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700941148H1
 <400> 40480

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 gttagatctt cttgtgtatg tactgctatt gctcaaggca gaaggatcta tagttccatt 120
 gattttggtc gagaatgcag aatcaaaagg agctgtttgt ttggatggaa gtccccaagc 180
 ttaccacttt gataaggggt ttggggaagg tattaatagc tggattgttc acattgagag 240
 aagaagatgg tgc 253

<210> 40481
 <211> 250
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700941149H1
 <400> 40481

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 cgttctgctt ctagtagaga gtctatgagg gcgagttcct ctggttctag tactatggat 120
 ccttcgttgc ggtctcggag gacttggctct atggatgtaa acagtgggat gagagcgtgg 180
 tagtagtagt aataggatcg atgactgatg agggtaaaag gctaaaaatc tcaactttgt 240
 ttctgggttc 250

<210> 40482
 <211> 253
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700941150H1

<400> 40482

catccttaga gcagcagcta tcaaggctct tggatccttc aggagcaacg cttagttaat 60
 taatcaatta agctagctac cttgattaat ttgccaacaa gggctatgca tgggtgttcc 120
 cccgaagaat aataatttct atgttgagga gtgctagtga tctgtctatg cagttcccta 180
 atttaggctt ttctgtcttt tcctctcatc agctacagtt gttgggggtg tttggaagag 240
 aaggccaaaa cca 253

<210> 40483

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700941151H1

<400> 40483

cggctcgagg aatcatcaaa tgcttcatca acttatggga gttgatcctg gaactaaccc 60
 tgtttgccat ttccttgga gcaaggccat tttatgggta cccaatttat ctgtggacac 120
 tgcctatcag accaacattg ttgcttaatt agtccatgca tcttgagcac catgagaatg 180
 agattgtgta taaaataaat tatcatgtgc tgtgtgttgt gcaagtacta ccttctctag 240
 ctag 244

<210> 40484

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700941152H1

<400> 40484

ggcaatcatt gcgctctgat aacatcagga tgtttgtatt ggatgaggca gatgagatgc 60
 tctctcgagg tttcaaggat cagatctatg atatttttca gctgctgcca cctaagatcc 120
 aggttgggggt tttctctgcc acaatgcctc ctgaagccct ggaaatcaca aggaagttaa 180
 tgaacaaacc tgtgaggatt ctagtaaaac gtgatgagct taccttgag gggatcaagc 240
 aattttttgt 250

<210> 40485
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941153H1

<400> 40485

cgcaactaca aagaaagaat cccagggcgag gaaaaagatg gatgggaagg agcaggatgt 60
 gtcgttgga gcgaacaagt tccccgagag acagccgatt gggacggcgg cgcatagcca 120
 agacgacggc aaggactacc aggagccggc gccggcgccg ctgggtgacc cgacggagtt 180
 tacgtcatgg tcgttttaca gagcagggat agcagagttt gtggccactt ttctgtttct 240
 ctacatcacc g 251

<210> 40486
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941154H1

<400> 40486

caaaatgcta accttcaatc tcaatgctat ctcttcttcg ttctcagttg ttccatttca 60
 tgccaattat ccactgtcta ctcaaacca attgtagtt cctatccaat cttagttact 120
 cctttgctac aacaggaacc agaaagttca agtctttcca gctcaaggct ggattttggg 180
 aatcaattaa atctgggttg atgaagaata actccatgca agtcattgat ccaccctctg 240
 cagatgaaga agac 254

<210> 40487
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941155H1

<400> 40487

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 taggtttcca atcggacgag cttctcctcg acgacgaaga gttcggcatc gaaggaggac 120
 gaacctcctt tgattccgat tcgcatccac cttccaccgc ctccacctcg aggaagaggc 180

ctcgagccgc tcgagccgat tcggctcgag ccggtgctggg ggaggcagca gtagtttgaa 60
 ggacgagagg cgtcatgtgt aagccattat gtttcaggta gtgtgaccaa aggacttgaa 120
 atttgatttc acggttataa tgaaaaaaat atattacact gttcatgtgg tgattctaca 180
 gcaaaattat gtgcaatatg gggttgtagg catttgcaag gtgtttgcaa gtgttttttt 240
 aggcattctg ct 252

<210> 40491
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941160H1

<400> 40491

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 aagatgaaga ttaacgtcaa gactctcaag gggactcact ttgtccttca agtgaaccct 120
 caagacacgg ttgctgttgt gaagaagaat atagagacag cgcaaggtgc tgatgtttac 180
 cctgctgcgc aacaaatgct tattcatcag gggaaggtgc ttaacgatgc cacaaccctt 240
 gaggaaaata aagtt 255

<210> 40492
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941161H1

<400> 40492

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 ggaggctgct ataaatcctc gtttctccaa ttatacagtt gaacaattta agcgccttct 120
 tggagtcaaa ccaatgccta agaaggaact tagaagtaca cctgctatat ctcacccaaa 180
 gacgttgaaa ttgccaaaga attttgatgc gaggacagct tggtcgcagt gtagcactat 240
 tggaagaatt ctagat 256

<210> 40493
 <211> 255

<212> DNA
 <213> Glycine max

 <223> Clone ID: 700941162H1

 <400> 40493

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 cttcgcatca agaatgggtt caggtgattg gtttaagaca ataattagct taagaaaatc 120
 aaaacaaggt agatcaaaga aagcaaaggg tatcttagct caagagaaac taaatgcac 180
 aaagtcaaac agctatccag gaaaagagtc tgggtggttta gcaaattggta ctaaaagtga 240
 aaaccttggtg tcagc 255

<210> 40494
 <211> 254
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700941163H1

 <400> 40494

 gcattttgta gcaacgagtg ccgttcaagg caaatatcga tggacgatga acgcaaagaa 60
 cggtgtagat cagaagcttc aaggctctgtg gagttgtcaa gtccaccata cacagcaagg 120
 gatcaaattg tttcaactgg gattgttgcc ctttagcggt taatttctgt cactgtagta 180
 gagactcata tatacattga agtttgaatt cacatcatat aaggctatac tttgtgaatg 240
 aaattaagac acct 254

<210> 40495
 <211> 249
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700941166H1

 <400> 40495

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 ctgctattct gaatctgttt catagtttgc agcattcaga gcaaagtttg gaagggtgaa 120
 gcggaaatgc ttctgatttg gtagtagtcc gttggagatt cggtcattggc taggcgtcat 180
 ggatgggagc tcccctttca cacttttcag gtcgcagcta taactgtatt tttcttgcta 240

tctatagca

249

<210> 40496
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941168H1

<400> 40496

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 ccacgagaac cgtcatgtgt aagccattat gcttcaacgt agtgtgacca aaggacttga 120
 aatttgattt cacgggtata atgaaaaaaaa tatattacac tgttcatgtg gtgattctac 180
 agcaaaatta tgtgcaatat ggggtttag gcatttgcaa ggtgtttgca agtgtttttt 240
 taggcatt 248

<210> 40497
 <211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941169H1

<400> 40497

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 atcgactaca ccaaaccctt ctctctcgag ggcttcttgg atggtcagtt tctgcaactt 120
 cagcagcttc aggatgagaa caaccctgac tttgtggtcg aagttgtctc tctcttcttt 180
 gaagattctg aaaggcttct caaagatctc acctttgccc tagatcagaa tggcggtgac 240
 ttc 243

<210> 40498
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941170H1

<400> 40498

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aggctatcct cgaaacatgt cttcggcagc atgctactct atctcaaggt gacatttttaa 120
 ctgtaaacta tggagaactt gcttacaaat taagggtcct tgagttaaaa ctttcttcaa 180
 gcgtatctgt tttagaaaca gatattgaag ttgacatagt tgatcctgat acatcttcag 240
 aaaagacaga t 251

<210> 40499
 <211> 248
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700941173H1
 <400> 40499

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 gtacgagttc cattattatt tgagacctat tcttcttctt atgtactctt tttggatacc 120
 tcagataatc accaacgtta ttcgcgattc acgcaaacca ttgcatcctc attatatctt 180
 agggataact gttactcggc ttgcaatccc attatatatt tttggttgcc caaacaactt 240
 catgcgca 248

<210> 40500
 <211> 249
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700941175H1
 <400> 40500

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 gtactttcga tgactctttt ggtgttgctt ctcttaaggc ttatttggca gagttccatg 120
 caactctgat tttcgtgttc gctgggtgtt gttcagccat cgcttacaac gagcttacia 180
 aagatgcagc cttggatcca acggggctgg tggcagtagc tgtggcccat gcatttgcac 240
 tgttttag 249

<210> 40501
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941144H1

<400> 40501

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 taacagatag gattgataag tggtttgctg cgtgtgaaga ggagaattgg cttgacgaat 120
 ataatcaaga tgacaacaga tactgtgctg ggcgaggcgc tcacattaat cttaaacgtg 180
 cagaacgcgc tagaataact ataagcaaaa ttccagctat ggttgacaat cttataaaca 240
 aaacactagc ctggga 256

<210> 40502

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 700941113H1

<400> 40502

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 ttctcaacat ggagtatcgt ctcctacceca tttttacttt actcaatatt gcactgggtg 120
 caacccatgc tgctttaccc cctgaagttt actggaagtc ggtgcttcct actacgccaa 180
 tgccaaaagc catcactgat atcctttact ctgattgggt ggaagagaaa agcagctcag 240
 tgcattgttg aggtggagg 259

<210> 40503

<211> 113

<212> DNA

<213> Glycine max

<223> Clone ID: 700941114H1

<400> 40503

aagtggaata accaagaaca agagatttaa aaaaagaaaa aataaacaag aaaacaagag 60
 agagaataga tagaggatga tggtagcac atcctctgtt tccattccca gtt 113

<210> 40504

<211> 247

<212> DNA

<213> Glycine max

<210> 40507
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941118H1

<400> 40507

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 aatttgagc attctctgtg atttttat ttatttaaac caaagtgggt cttttgtaga 120
 ttctgagga gcatgcctcc tttcctacac aaaataaagg attattctga ttcctttaaa 180
 taaaatgctt gttgatttat ccttcatagt gttgtggtaa aacctccacc tctgcttctc 240
 acttactatc tcctctc 257

<210> 40508
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941120H1

<400> 40508

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 catttttggg ataagttccg caaagctcct gaggggtctc tcaggaaaaa tgcagctcag 120
 aaacaagttt tggaagcaat gtctcataga atgcatgtag acaacagtgt aaaacttatt 180
 gggaagcttt tatttggtat tgaaaagggt ccagaagtac tcaacgctgt tagaccggca 240
 ggatcggcac ttgt 254

<210> 40509
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941121H1

<400> 40509

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 tctctctctc ccttctcca tctctcacct tctcaatctc atcaccacca ccatcatcat 120
 cattatcttc tcctatctct ataacctcga tatccctcaa aacctcacc tcatacaaaa 180

tgatatgacc ctcttgtgag aacatttttt ccccttaag aataggtcaa aggctgcaac 240
 tttttctgaa ccaatctc 258

<210> 40510
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941122H1

<400> 40510

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 gtcttcaaatt cttattcttg gtattgattt cactaagagc aatgagagga caggaaagca 120
 ttcatttaac agaaaaagtt tgcattcacat tgggaatggt ccaaaccctt atgaacaagc 180
 aatatcaatt attgggaaga ccttggctgc atttgatgag gataacttga ttccttgttt 240
 tggatttggg gatgc 255

<210> 40511
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941123H1

<400> 40511

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 tctgtggttc atcttgcttc ttcttagtct tccccccct ctctgtaaca tcccgtttct 120
 ctgaatccct ttctgctaat catctgtctt tcaagctaag attttctggt ttgtctttta 180
 attcacaaa aagcaaactt agaaggattt ttcgaaagcc aggtgttttc agaaacgaga 240
 tccaggtttt attgtcg 257

<210> 40512
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941125H1

<400> 40512

<212> DNA
 <213> Glycine max

<223> Clone ID: 700941128H1

<400> 40515

ctagtgaaca catcagtgat gatggaatat atctttcttga gaatgggtcat gattgtttga 60
 tatatgttgg agactctgtg aatccagaca tcgtgcagaa actgtttggg gttgctacag 120
 ttgacaaagt ccctaccctg tttgtattgc agcagtagca caatccacta tcaaagaagt 180
 taaatgaagt ggtaaagtag atacggcggc aaagatgttc ctacttccgg ttcaagctct 240
 gcaggaaagg agatc 255

<210> 40516
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941129H1

<400> 40516

gccatggatg agtacacttc tgagatattc atgggtggaa agaacacaat tgtgttgcac 60
 aacacatgtg aggattcact gttagctgct cctattatct tggacttggg ctttcttgct 120
 gagctcagca ctggaatcga gtttaaagct gaaaatgagg gaaaattcca ctcatccac 180
 ccagttgcga ccataccttag ttacctgacc aaggcccttc tggttccacc gggtacacca 240
 gtggtgaatg cgttgtca 258

<210> 40517
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941131H1

<400> 40517

ccttacaatt cctatcattt cctatatcat ctaaaccctta ttttaacaaa atccaaaatg 60
 atgaacaagc aatctgtctt gcccttctca ctagcattgc tagtttcatt tttaaattgc 120
 accaccatt tagcccaatt atcaccagct tctgcccctc tcaaaccacc ccaacctgct 180
 cctaccatac cagctgctgc tcctcagcaa ccattgggtc cttcattgcc acaatcacca 240

agtgattcca cccctgaca

259

<210> 40518
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 700941132H1

<400> 40518

gcacttacac ctcttgtttc tgtttgagtc gagtcgagtc tcttctcttc taatctcctc 60
catagcatat ttgacccga tccaaccctc gctttgctag atctcttgat gatgggttcc 120
gttctagagg acaagataga ccgatcatagt tttcacgacc accacgacgc cgacgatact 180
cccttagcat ctctctcttc taaagtcctc caacaattac acagcttcga ttttgaggac 240
acaagcgttg tagatttgcg ga 262

<210> 40519
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 700941133H1

<400> 40519

atagaaagaa ataaccaatg gcacgatgat atgagtgcac cgttaacctt cgttgttttg 60
tatcaacttg aagatcaggg taattttgaa gagaaaaaag cttggagaag tggagcttgg 120
ccactgaata tagctgcctg gggccaatga tcgactcaag attagcatta agaattgata 180
aagtgttact tgagagtgtg tctctttaa tgtttggtgac actcatacag tatatatgta 240
tctaaatcaa atcttg 256

<210> 40520
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 700941134H1

<400> 40520

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caaagcagca aactagttac catatatacc ttcaaagaac aagaccatca ctattacttc 120
acagttcata aaggttacaa gtccaacatg ggaaactgct tggtgggggg catgtcagat 180
cctgatacaa taatcaaagt cacaacatct aatggtggca tcatggaatt ctatgctcct 240
attactgtga g 251

<210> 40521
<211> 221
<212> DNA
<213> Glycine max

<223> Clone ID: 700941135H1

<400> 40521

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agcttgtaa tgattattac aacaatggtt tgccttcaaa tctcactgcc agcagaaacc 120
ccagcttga ttatggattc aacggatctg acattgccat gggatcttat tgtgctggac 180
ttcactatta tgcggctccg gtgacaagcc acgatcaatg c 221

<210> 40522
<211> 233
<212> DNA
<213> Glycine max

<223> Clone ID: 700941136H1

<400> 40522

gacataccag tttgagagcc tcttcgcgaa cgcaacttcg tcggtggcac atgcagtcgg 60
attctgggag tacagtactt tcagcactgc tgcagcactg tatcagtctc ttggcttggg 120
cacgactgga ggttggaacca gaggcaaaa ggagcttagt ccctgcagaa gccatcgtag 180
cagcaggagc tctcgtctgt atggggtgcc tacaggttgt cacaagtctt cgg 233

<210> 40523
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 700941137H1

<400> 40523

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atcttgctac caatagttgg aaatgcagct gaacatgcag gagcaatcat atttgctttc 120
aagaacaagc tggacatttc attgggtgtt gcattgggtt cagcaactca gattgccatg 180
tttgtggtcc cattatgtgt aatcggttgc tggataatgg gtatcgatat ggacctgaac 240
ttcaacctcc taga 254

<210> 40524
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 700941139H1

<400> 40524

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tgagtacgct ggatgcaaca agggctgaac ttggtcttct tgttttatat ttgggcaagg 120
ctgaagcaag ggacaaaata tgcagggcaa tacaatatgg ttccaaattt ttgagtaatg 180
gggaacctgg tactgctcag aatgtagaca aaacaaccag cttggcacga aaagtcttcc 240
gtctctttaa gtttg 255

<210> 40525
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 700941142H1

<400> 40525

cccaccgtta gtgaattata ctctctcccc ttctttcttt atatataacc ctttcccttg 60
cttgtctttc cactcttcaa attaaaccag caaaatctta tcttagctac cccatcacia 120
caaccacgat actattttctc atactctatt aggcaaaac accaccaaatt gggagaggaa 180
aaggagcagc ctaagaatga caccgagaaa aagcccagg aggtagcccc caagaaagac 240
gacggaccca tccctg 256

<210> 40526
<211> 242

002220" ETTES60

<212> DNA
<213> Glycine max

<223> Clone ID: 700941143H1

<400> 40526

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ttagtaatga tccaactgtt cagtgtacag aagtagctca aagtcaagtg ttaggaatg 120
ggtggatttt tcaatttgtt taccattaca gtagttccaa tgacaatgga actaaagctt 180
aagtcacct cagatgaccc caatgcgtat gatttaggtc ctctataggt tgctggggta 240
tt 242

<210> 40527
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 700941112H1

<400> 40527

gcatctggaa gttacaagga gatgggtata tacgtggaag cttgtgaaag tgggagcgtg 60
tttgagggta taatgcctaa ggatctgaat atttatgtca caactgcatc aaatgcacaa 120
gagaatagtt ggggaactta ttgtcctgga atggatcctt ctccacctcc agagtacatc 180
acttgccctag gggatttgta cagcgttgct tggatggaag atagtgaggc tcacaatcta 240
aaaagggaat ccgtg 255

<210> 40528
<211> 244
<212> DNA
<213> Glycine max

<223> Clone ID: 700941079H1

<400> 40528

ggatgccaaa aaatatgcag gccaatagac cggcagagaa atcccatggg actgatgctg 60
tgatgtgggc acctgttaaa cctcagagca agagtgagat cgtggatgaa ttgagtgaga 120
taagtaaaat tgaggcagtt aatcctctaa agagtgagca gcagggtgcat aatttaaaaa 180
ataagagggc agaaatggag aggtatgttc cgaaaccatg tgcaaaagaa catgctcagc 240

002220"ETT660

aagg

244

<210> 40529
<211> 239
<212> DNA
<213> Glycine max

<223> Clone ID: 700941080H1

<400> 40529

gtgaagtcag cagaggtggt tgataatgca atttaata cttttcagca tagtgaattg 60
ttaggaattt ttacatggag agaaagtact aaaccaacag ctagcacagc taactgtaac 120
cacctttctt ttacattaaa gaattgggtt gatgctttag gaatgagctt ttcttatggt 180
accgaggaat tgttcttaat tgttgttttg tgcggggctc aggatcggcc atctaccaa 239

<210> 40530
<211> 168
<212> DNA
<213> Glycine max

<223> Clone ID: 700941081H1

<400> 40530

ggatttcggt tcgagaccac acaacctgt tgaacctgta atgttggccc gtatattgctg 60
cctcttggtt tgttacaaaa tcccccttt tccccctgga attctccctc atggcaaggt 120
taaaaggccc tatggtctcg cccctgtgcc taattacttg gtcaggac 168

<210> 40531
<211> 213
<212> DNA
<213> Glycine max

<223> Clone ID: 700941082H1

<400> 40531

gggcttattg gccaaagacc ggtcttgagg tttgttcagt aaattgtggt tcatgtaatt 60
gttgaagga aaattccggg aacttcaaca attcagttta gacttccgctc cagtgcacctc 120
ggctccttaa tctaataatg caagaaccgat caccagctat aagaagctgc tctgggatat 180
tccacatgct tctggacact gatcgctatg agt 213

<210> 40532
 <211> 105
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941083H1

<400> 40532

cggtccaaga ttaattactc agaagattgc tcagttcagt taatcccctt cctggcgcca 60

ccgatttcca agttcattac cttgggtccaa cattgccag ggctt 105

<210> 40533
 <211> 239
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941084H1

<400> 40533

aattgcttct agttctctca cttaaactat tttcacaac catagaaaaa taataatttt 60

tttttccatg gtaaaaggcc ttcctcaaag ggggccttgg aacagggatt tgagtcccca 120

gaagccaaca atgtcctcct catgtcccaa atggaagagg accaagagga agagtaccta 180

tggcgatgat agacttgtga gcatgattca atcattggag gcagagatca ctgacactg 239

<210> 40534
 <211> 239
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941085H1

<400> 40534

ctggaatcct aaaattgtta atactctaaa cacttcaggg acaagaaggg ttcttccatg 60

caagtcaaag ttccttttga ggaataaatc ctcccaaac ctgaggccgt actcaggcaa 120

agataatagt ccaattgcct ggtccatagg atccaatagg gcactaggct gataatgggtg 180

gcaggaacct gatagtgaat atatatcgtg ttcacaactt atcaaataagg agcttggac 239

<210> 40535
 <211> 241

<212> DNA
 <213> Glycine max

<223> Clone ID: 700941086H1

<400> 40535

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 tggaccctga gtatattaga ttgttcattg agggcttggt gtgcactgct agggttgtgt 120
 ccaaggctgt gatcactggg tacaaagatg ggttcaacca gattaagtcc ttggttgatg 180
 ttggaggtgg cattggaggg tctctttctg agattgttag ggcttatcct cacatcaatg 240
 c 241

<210> 40536
 <211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941087H1

<400> 40536

ggatgccaaa aaatatgcag gccaatagac cggcagagaa atcccatggg actgatgctg 60
 tgatgtgggc acctgtaaaa cctcagagca agagtgagat cgtggatgaa ttgagtggga 120
 taggtaaaat tgaggcagta aatcctctaa agattgagca gcaggtgcat aatttaaaaa 180
 ataagagggc agaaatggag aggtatgttc cgaaacctgt tgcaaaagaa atggctcagc 240
 aag 243

<210> 40537
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941088H1

<400> 40537

aaggtgaagt cagcagaggt gtttgataat gcaatttaat atacttttca gcatagtga 60
 ttgttaggaa tttttacatg gagagaaagt actaaaccaa cagctagcac agctaactgt 120
 aaccaccttc cttttacatt aaggaattgg tttgatgctt aaggaatgag ctttccta 180
 ggtaccgagg aattgtcctt aatgggtggtt ttgtgttggg cgcaggatcg gccatctacc 240

aaggt

245

<210> 40538
 <211> 237
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941090H1

<400> 40538

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 gtactcaatg gaaaaactca ttacagtttg gagaaaaggg ttgttctgag gggtttggtt 120
 gtccagcatc ttctctccaa tggtttgata aagaagagtt ctagcttggt tacactgttt 180
 agtaagtctg ataaggtggt tctgcaaaag tacgtgagat gtttctggga cagggaa 237

<210> 40539
 <211> 225
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941091H1

<400> 40539

cggtaatgtc catgctgctg gggaaagggg gttaagatac gtgaaactga tgaagcaaag 60
 cattcctgct gctgttctact ctattgtggt gcagaccctt tctgggtctgg ctgcactca 120
 tagatttgca actgaaacag ttgatctgcc agctcaagaa ggtgaaaggg taactgttgc 180
 tgtggcagct ccatctaattg tgtatcgaaa ggagggcccc tttaa 225

<210> 40540
 <211> 237
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941092H1

<400> 40540

ctgcattttg cattcctgca ttggaaaaaa ttgaccagga taataatgtt attcaagttg 60
 ttatactggt cccaaccgga gaattggcat tgcaaacttc tcaagtgtgc aaagagcttg 120
 caaagcactt gaagattcaa gttatgggta caacaggtgg taccagcctg aaagatgata 180

taatgcgctt atatcaacca gttcatttac tagttggaac tccaggaaga atattag 237

<210> 40541
 <211> 232
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941093H1

<400> 40541

cgaagagaat ggctcccaag ggtttaatct ttttggctgt gttatgcttc tcagcactgt 60
 cactgagtcg ttgtcttgcg gaggataatg gacttggtat gaacttctac aaggaatcat 120
 gccctcaggc tgaagacatc atcaaagaac aagtcaagct tctctacaag cgccacaaga 180
 aactgcttt ctctggctc agaaacatct tccatgactg tgctgttcag ag 232

<210> 40542
 <211> 240
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941094H1

<400> 40542

gaaaactgga aaagatgata tagatgttgg gaaactgaga cctacactct ttgatgtttt 60
 tggagaagat gctagtccta aagtgaagaa gttcatgaat gttattttta acaaactcca 120
 acatggaagt ggtgaaagtg ggggtggaat attggggttg gtaggtggtc ttgcacaaga 180
 gtttctcaag caaaagcttg atgacaatga tgaggtatat gcaaagcctg cattggagac 240

<210> 40543
 <211> 212
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700941095H1

<400> 40543

tgccaaagaa ctttgtacca gagttctgat tcagcattct tctaatttat atgctgccaa 60
 tggtgctgcg gtagtcttag cagaaaaggg ccattttgat gtgtcaaagg atatctttac 120

acaggttcaa gaagctgcc a gtggtagtgt tgttgtccag atgcctgatg ttttgataaa 180
tctggcacat gntttatttt gcacagggga at 212

<210> 40544
<211> 181
<212> DNA
<213> Glycine max

<223> Clone ID: 700941096H1

<400> 40544

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gacaaggagt tgtacagcaa gacgtttttg gacgaggaaa agaggaacaa gttcataaag 120
tggaggattc aaccttttag aaacaacttt agaaatttgt caacccttg cattggtgat 180
t 181

<210> 40545
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 700941101H1

<400> 40545

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ggatgaagca ggggacaaat tagaagatgt acttgataac gatgatgaag ccagtgatag 120
tcctgggagt gaaggatctt tgcataataa agtgggaagag aatgcaaaag aagctgagga 180
agaacctatt gtgaaatctg aaactgatat aaaggctcga aacaaagagt cttctgctga 240
aatcatcaat aaggggaat 259

<210> 40546
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 700941102H1

<400> 40546

tggacattgt ttgtgtgaag agaaaaggaa gcgtatcaac tgatgataat aaacctgcaa 60

tgctgctacc tgcggcttgt gagaatcatt ctattgagct tccgaaactt ctcacaattg 120
 agggccttca agaggagtct gggggagtag aaaccatgtc ccacaaggat ggcgatgacc 180
 aacttgaaga tgcagtttat gtggaatctg aatcggacag gaatgttgtc tccaagaata 240
 gtaaagcttc taagaa 256

<210> 40547
 <211> 257
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700941103H1
 <400> 40547

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 tagaagagtt tagtagaata gaataggtag caagattagg aaagagagaa ggcgaagaag 120
 atccggtgat tcttcacggt ccgatgatga tgcggaaagc cgtgatttgt cctctcagga 180
 gagacgccgg agagacgggtc acctcggcca ccatcgattg tggcggggac ggagcaggca 240
 ggactcagat agttcct 257

<210> 40548
 <211> 256
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700941105H1
 <400> 40548

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 tgtcatggga aacagatttg tcaggggaaa caaattggag aagcaagaaa aggatgacat 120
 aatattactc aagattgtac ctcccgtgga ccagatttat gctaaatggc ttgccagaga 180
 ccttgcaaga attcacagct ttactccaaa acgtattcgt gcagtgcagc cgccggatca 240
 ttatgtagaa catatg 256

<210> 40549
 <211> 223
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941106H1

<400> 40549

gctatccacc accaactcaa acacagcctc cactagagaa taagagatac cttcctgtca 60
 acccagtctc ggtagcttaa gttgtctcct tgactctata gacgctcttg gtgatgaaca 120
 tgatcatgct tgagacactc atcataggat atcaaagaga ctagctactc catctgctca 180
 gttgatgtca ctagccatca tgggatccgt tgcagagatc aat 223

<210> 40550

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700941107H1

<400> 40550

ctaataccaa gaaatcctaa tgatagtatc aaaactaaat ataataccat aaaattataa 60
 atattcaaca ttacaacttc atcataatgc aaaccaatgt aataaagtat gacagagtaa 120
 gtgtaaatct tacataaatg accaaatcag aagtttgata ggtgaaaact tattggatca 180
 aagaagttct tgtaattctt ggcttagaac ctaactcaac cccactagat cggctagtagc 240
 gataagga 248

<210> 40551

<211> 229

<212> DNA

<213> Glycine max

<223> Clone ID: 700941108H1

<400> 40551

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 cctctctctc ctttccaaat ggccagcgtt gaggttgac atcaaacacc aacaacagtt 120
 ccagaaaatg aaacaaccga ggtaatcaag acccaggaaa caaccccgga accagtacca 180
 gccactgagg ctcttgcaac agaacaata acagctgagg ttcttgctc 229

<210> 40552

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 700941077H1

<400> 40552

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 caagtccaag ctcccttttga agtattaatc ctcccaagag ctgaggctgt actcatgcaa 120
 agattatagt ectattgcct tgtccataag actctatagg gccataggca tgataatggt 180
 ggcaggaacc tgaatagtga atatatatcg tgttcacaac ttatcaaata ggagct 236

<210> 40553

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700941109H1

<400> 40553

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 aggagttaca agacccgaaa agactggaat cgaacggcgg gaggctgttt acttagatcg 120
 attccaggcc tttcggttaa acaaggaact ggattatata ctcacattta aactaaaggg 180
 cgaggattta cttagagaaa gtggcattcc ctatgcaatc gtgaggcctt gtgcattaac 240
 tgaggagcct gctgg 255

<210> 40554

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700941111H1

<400> 40554

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 gattgatttt tttgtcaggg aaatgatggt tgctactagt gttgaagatg ctagagcacg 120
 tgctgccaga atgctggagg ttctagagaa atcaatcagt gaaagagcaa aggctgaggc 180
 aactgatgtg cttcagaagg aaaatttgat gctgaaagag caaattgaag cgttgattaa 240
 ggagaaaaat tctt 254

<210> 40555
 <211> 192
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941040H1

<400> 40555

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 tatctgaaga agatgaagtt ctgaagaagc atgtgtggag gtgctatcat ctcagacttc 120
 attggtgtga agcgtggccg caacctcgcc gcgcaggaac tgtggtccga gcttgaccct 180
 ttctctgacc tc 192

<210> 40556
 <211> 233
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700941041H1

<400> 40556

ctatcttatt tcaaatttgt tggtagagtg gttggaaaag ctatatttga tggtcagctc 60
 ttggatgtcc attttactcg gtcattctac aagcacgtcc taggggcca agttacgtat 120
 catgatattg aagccattga tcctgactat ttcagaaatt tgaaatggat gcttgagaat 180
 gatatcagtg aaattttgga tcntacttta gcacttgatg ctgataggaa aag 233

<210> 40557
 <211> 229
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941042H1

<400> 40557

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 gatttctcaa cactgtatgc tccactcatc cgtgatgggc gtatggagaa gttctactgg 120
 gcacctacaa gggacgatcg tgttggcgtc tgcaatggaa tttccgcac tgacaatggt 180
 cctaaggatg acattgtcaa gcttggtgac acctaccccg gccaatcta 229

<210> 40558
 <211> 235
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941043H1

<400> 40558

agcctggtcc aaacctggct ggcagctcag ctggctcctc tggccactct aggcttacct 60
 aggatcttca actacgtgga ggatttctta atcagggtcaa tcccctttcc agcatggact 120
 gtcaaatcca gctacaagaa actctacgaa ggtctctcga cagcaggtac tgcgattctg 180
 gacgaaacgg acgctgtggg gataaagagg gacgaagcgt gccacaatct tgtgt 235

<210> 40559
 <211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941044H1

<400> 40559

ctgctcctca aattgcttcc ttttctagcc gtggaccgaa ccatcttaca tcgcagattc 60
 tgaaacctga tgttattgct cctgggtgta acatttttagc aggggtggact gggcgtgtgg 120
 gtcccacgga tttggacatt gatcctagga gggctcgagtt taacataatt tcgggggactt 180
 ctatgtcgtg cctcatgcg agtggcattg ctgcattgct taggaaggct tatccagagt 240
 ggt 243

<210> 40560
 <211> 242
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941045H1

<400> 40560

ggaattgaac actgggggtca ggatcatcaa cctagctagc tagtgtatac aacaacaata 60
 tgaggaagcc cgagggttct ggaaaaaaca acaacattaa taacaagctt agaaaggggt 120
 tgtgggtcacc tgaagaagat gacaagctca tgaactacat gctaaacagt ggacaagggt 180

gttggagcga tgtagccaga aatgcgggcc ttcaaagggtg tggcaaaagt tgcgccttc 240
ga 242

<210> 40561
<211> 169
<212> DNA
<213> Glycine max

<223> Clone ID: 700941048H1

<400> 40561

gcgaaagaga gaattcgtag accctaattt cggccagatc ggcgatgact gcctccaagg 60
atcgcgagat cttcgtctac atcgccaaac tcgccgagca cgtcgagcgt tacgaagaac 120
attgtggact caatgaataa cgttgccaat ctcgactgct aactgacag 169

<210> 40562
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 700941051H1

<400> 40562

tgaaaatgca ggggaaaatg agggagatcc ttcacgtgca gggagggcaa tgcgggaacc 60
agatcggttc caagttctgg gaagtgggtg gcgacgagca cggcatagat ccgacgggga 120
agtacgtcgg aaactcagat ctgcaactcg agcgcgtgaa cgtctactac aatgaagcct 180
cgtgcgggcg cttcgtgcc a cgcgcggtgc tgatggacct ggagcccgga accattgaca 240
gcgtgcggac cggg 254

<210> 40563
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 700941052H1

<400> 40563

gcactttgtg aggccactgg ggcaaatgtc acacaagtgt cctatgctgt tggcactgac 60
acaaggattg gaccaaagtt cctgaattct agtgttggac ttggtggctc ctgcttccag 120

aaggacatct tgaaccttgt ctacatctgt gagtghtaatg gcctgccaga ggtggctgag 180
 tactggaaac aagtgatcaa gatcaatgat tatcagaaga gccggttcgt gaaccgtgtt 240
 gtttcgtcga tg 252

<210> 40564
 <211> 242
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700941056H1
 <400> 40564

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 ggaggctatc tcaaattaat tgagctggga cttgaagatt gtgtggagaa aattgatgct 120
 caactagtgt ttggttatgc tcttttcaag gatgggaagc acacaagact ctcttatccc 180
 ttggaaaagt ttcactcaga tgttgctggc agaagctttc acaatgggcg gttttattca 240
 ga 242

<210> 40565
 <211> 244
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700941057H1
 <400> 40565

catagcttcc tcttctttca tcacagtttg aaaaaagaaa aaccagaaaa gaattccaag 60
 cttaaattatt ggttgaacca gaggcaacaa tgggtttgac ggtgtcacgg ctattgagat 120
 tgttttatgc aaggaaagaa atgaggattc tgatggtggg ttttgatgct gctgggaaaa 180
 caacaatact ctacaaactg aaacttgag aaatcgtcac tacaataccc acaataggct 240
 tcaa 244

<210> 40566
 <211> 236
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700941059H1

<400> 40566
 ctggcattac ctcttctttg tgttgtgcct ttacgccagt gtcacagtgg ttgaaagctt 60
 aatgatggca attgctagca ttgtcccaaa ctctctcatg ggcatcatta ttggagcagg 120
 aattcagggc atattcatgt tgggtctcagg ctactttagg ctcccacatg atattccaaa 180
 gccagtgtgg cgctacccaa tgtcatacat cagtttccac ttcttggcac tacagg 236

<210> 40567
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941061H1

<400> 40567
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 gctgcagatc caccaaccgt tatggccgcc ttcagcgggtg atgaaacggc accgtttttc 120
 ggcttccttg gcgccgcagc tgccctcgtc ttctcctgta tgggagctgc ctatggcaca 180
 gcgaagagtg gcgtgggcgt ggcttccatg ggtgtaatga gacctgagct ggtgatgaag 240
 t 241

<210> 40568
 <211> 242
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941062H1

<400> 40568
 aaaaatggac ggcgaaactaa gagtgattgt ggatggattt ctgtctcatt atgatgaagt 60
 tttcaggctg aaaggggtgg ctgctaaaac agatgtgttt catcttatta atggcacatg 120
 gacttcacca gctgagagat gcttcctctg gataggtggg tttaaaccat cagagctcat 180
 cacaatgttg ataccacagt tagagcccct ggccggagcag caaattatgg tcatatgtga 240
 ac 242

<210> 40569
 <211> 242

<212> DNA
 <213> Glycine max

<223> Clone ID: 700941063H1

<400> 40569

gtcgttgctt taataactcc ttggaattat cctctgttga tggctacgtg gaaggttgct 60
 cctgctctgg cggccggctg tgctgcaata ttgaagccct ctgagttggc atctgtgaca 120
 tgtttgagc tcgctgaaat ttgcaaagaa gtcgggcttc ctctggcgt gttgaacatt 180
 ctcactggat taggacctga agcgggggct cctttagcag ctcacccgag attagacaag 240
 aa 242

<210> 40570
 <211> 231
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941064H1

<400> 40570

agccaatcag cgtattgcaa gaatctctgc tcattcttcag cctccaaatt tccaggaagg 60
 gagtgatgtt cttcttaaga gtgctgagtg cagagcaaag ggtggggcac ctggattcaa 120
 agttgcaatt ttgggggctg ctgggggaat tggtaacccc ctttctttgc tgatgaagat 180
 gaaccattg gtttcagttc ttcattctta tgatgttgtc aacaccctg g 231

<210> 40571
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941065H1

<400> 40571

gtgattctaa acatggaaac tataatggat gagtttgaga tcattgggaa tccaaagcca 60
 tatatggatt ctgatatacc aacagtgaga gcttcagatt cagcttcagc tgatagcact 120
 gttgagaatt tgcccaggag ttataatagt aataatagtt ctgctgggtca aaatgcaagt 180
 cacaataaca cgcagaattt caggccaact attcaacctc cataccaacc acctccactt 240
 tacaaaggcc gtgggcca 258

<210> 40572
 <211> 237
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941067H1

<400> 40572

gtaataagag gaaagttgac gaaacagaag gcatatgctg cactgtcact gcttaaagggt 60
 gttctggatt actcagaatt taaagatgtg gacttgggtca ttgaggctgt aattgaaaat 120
 atcagtctca aacaaactat atttggatgat cttgagaaga tttgtcctcc acactgcatt 180
 ttagctttca acacatcaac tattgacctt gatgttggtg gtaaaacgac cagctct 237

<210> 40573
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941068H1

<400> 40573

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 ctttctctct tgcgttcaca cttattctct ggcttcttct tccattttcg cttctcgtag 120
 cgttttcgga acagttatgg cttccattgc cggatccaac tgcgtcgtc tccgaaccgc 180
 caacttcggc gcctccggta accggaaaat cggccagatc cgccaatggc ctccgattct 240
 cacgaatctc 250

<210> 40574
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941069H1

<400> 40574

tttcgccgga ataatcggtc cttctcatgc ttccgaaatc agttccctca gcggtacccc 60
 aacccaaaac acttgcttcc aaaatcacc taacttcttc cttcacctcc ctccctccaac 120
 cccaaaaccc tcgcacatgg atcctcttca ccgtcctctt catccagatc ctccctcctct 180

gcaacctcca tatcttcctt tcttcaattc cccctcccct ctctcccatc cccgccgcca 240
ccgacaccg 249

<210> 40575
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 700941070H1

<400> 40575

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acactaaagt tgggtctgag ggactctggc ttattaaatg ctgatcatcc cctccatttc 120
ttttcaaaat tcaaattgac ccttctggcc ttctcctact tcttctatcc attgtttcat 180
ttttatttcc aaattttcag gtgaaaggaa cataggaact tgaggatgatg aaagcaacag 240
aatgtta 247

<210> 40576
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 700941072H1

<400> 40576

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atccctcaag ggatccacta actgaaggag aaatgggggtt gacattcacc aagctttttca 120
gccggctttt cgccaagaag gaaatgcgaa ttctgatggt gggctctgat gcagctggta 180
agaccaccat cctgtacaag ctcaaacttg gagagatcgt taccacaatt cccaccattg 240
ggttc 245

<210> 40577
<211> 240
<212> DNA
<213> Glycine max

<223> Clone ID: 700941073H1

<400> 40577

aacacacaac cctgatgcac ccgttatggt ggaccgtata ttgcgcctct tggcttgcta 60
 caatatcctc tctttttctc ttcgcactct cctcatggc aagggtgaga ggctctatgg 120
 tctcgccctt gttgctaagt acttggtcag gaacgaagat ggtgtctcca ttgctgctct 180
 caacctcatg aaccaggaca aaatcctcat ggaaagctgg tactatttga aagatgcagt 240

<210> 40578
 <211> 237
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941074H1

<400> 40578

ggccttatgg tcaaagagcg gttctgaagt ttgctcagta cactgggtgct catgctattg 60
 ctggaaggca cactcccgtt accttcacca atcagcttca gacttcgttc agtgagcctc 120
 gtctccttat cctcactgat ccaagaacag atcaccagcc tattaaggaa gctgctcttg 180
 ggaatattcc caccattgct ttctgtgacg actgatcgcc tatgaggtat gtggaca 237

<210> 40579
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941039H1

<400> 40579

gagtgaggag gttgcggggc ttgctagaac tgcggtgaat cgggacatct ggctagggac 60
 tgcaaccaag gaggcggtgg agacaggtac ggcggaggcg gtggtggtgg tcggaagtat 120
 aaaggcggcg gtggcgagac gtacggtcgt ggtggaggat gtcgtggcgg cggaggaagc 180
 tgctacagct gtggaaagtc tgggcatttc gccagagatt gcccatcaag tgctcgtgga 240
 aaatactggt at 252

<210> 40580
 <211> 210
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941075H1

<400> 40580

aataagtact cagaagaatg ctcagatcaa gttattctct ctcattgggtgc aacgaattgc 60
 aaagtcagta acatagtccc accattgccca aggctttgca attcgttgcc ccatgaaaga 120
 gaataagtac tcagaagaat gctcagatca agttattaaa tctcttggtg ctgatctgaa 180
 gaagattaaa gactgcatg gagatcccca 210

<210> 40581

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700941076H1

<400> 40581

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 ttttttcatt gtaacatgtc ttcctcagag ggtgtctttg aacagggaat tgagttctca 120
 gaagccaaca atgttcttct catgtctcta atggaagaag aacaagaaga agagtactat 180
 ggcgatgata gacttgtgag catgattcaa tcattggagg cagagatcac tgacactgaa 240
 a 241

<210> 40582

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700941006H1

<400> 40582

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 gttcctggaa tgaaggcttt ggatatgaat gctgctgagg acgctattgt caggctcact 120
 agggagatta tgcctggcat gattgtcact ggcattggagg ttgcagaaat tgatggctcc 180
 ccgagaatgg gtccgacgtt tggggcgatg atgatatcag ggcagaaggg cggctcattt 240
 ggcgttgaag gcttt 255

<210> 40583

<211> 255

<212> DNA
 <213> Glycine max

<223> Clone ID: 700941007H1

<400> 40583

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 cacaagctag tattacgcat caaggaaaga atctgtacat gcaagctccc cctgtattgg 120
 aagaaatgac tcgatcaaac ctgagtctct ctcttttgaa tctcatgggt cgattgcccc 180
 aggatgttgt gcatgtgaat ggtacaacaa tcaagaacga ccaaagttc tcctgttcga 240
 gaaaattacg tggtg 255

<210> 40584
 <211> 227
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941008H1

<400> 40584

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 aaaaatctcc gaattattag tctccggcgg gcgtgccgcc gtgcttttcg atgccctcgg 120
 aagccctaga agcccgttg acatgatgaa cttaaagatg caatcaccaa agggcctaaa 180
 aagctatgac cttggtggtg ttggtctatg aattgtggtg gcccttg 227

<210> 40585
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941009H1

<400> 40585

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 gatcttcagc aagttcgaca agaacggcga cggcaagatc tcgtgcgccg agctgaagga 120
 gatgatggtg gcgctgggat ccaaaacgac gtcggaggag gtgaagcgca tgatggcgga 180
 gcttgatcgg aacggcgacg gctacattga ccttaatgag ttcggcgagg ttccatgcgg 240
 cggcgggcg 248

<210> 40586
 <211> 237
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941010H1

<400> 40586

taaagactta gacaaggaag aaatgctacg aggaaggcct ggctatgagc acctgaatga 60
 tccgcttcac attataattg aagctgaact acctaccagt gttgctgatg taagattgat 120
 gcaagcacia gaaatcatac aagagctact taaaccagtg gatgagtcac aggaccttta 180
 caaaaggcaa caactaagag aacttgctat gcttaattcc aactcagaga agagagc 237

<210> 40587
 <211> 214
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941011H1

<400> 40587

ctcgtagtac gaatattatt ccaagttcta ccatatagtg tacagcaaga agacacgaac 60
 aatggagttg tggaagctct tcgtaactgc attaatgcc a gttcttaagg tgctcctcat 120
 tactgctgtt ggcacatctc ttgctctgca ccgctttgat atactgaggg atagtgc tag 180
 gcagcacttg aatacaatag tagtacttgt attc 214

<210> 40588
 <211> 232
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941012H1

<400> 40588

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 tgtctcaaat ccttgtctat acaaggagga tgataattcc atatcaacaa gtctcgctta 120
 caatgaagag gttgcgaata taataacaat ggatggcaca tatgacagga cagataacaa 180
 gtttacatca agtattcaat cctataacaa gggaaatgac agcttatcta ta 232

<210> 40589
 <211> 220
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941016H1

<400> 40589

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 aggacagaaaa agaagctggc agatagcaga gctggagaaa attgtgaggc tgaaaaatgc 120
 agaggctgat atgttccaat tgaaggctaa tgaggctaaa cgagaggccg agaggcttca 180
 gaggattgct ctttccaagc aagagataat cgaagaagaa 220

<210> 40590
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941017H1

<400> 40590

tgggatgcaa ctttgtcccg gaggagaaaa agaagcagaa gagggccaag aagaagtaca 60
 gaggcgtgag gcagaggccc tggggaaagt tggccgcgga gattcgtgac cctcgtcgtg 120
 ctgcccgggt ctggctcggc acgttcggaa ccgccgagga tgccgcccgg gcctacgaca 180
 aggccgcgat tgagttccgc ggcccacggg ccaagctcaa tttccccttg gtggacgagt 240
 cgctcacttt gcagcagagc gagcca 266

<210> 40591
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941019H1

<400> 40591

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 tttcaaagaa gagacgaagc tcacagtgtc caaaacatcc ctcttcttca gcggtgatgg 120
 cttcgtgtgc tacgattcca agggcaacct cgtcttccgc ttcgactcct atggtcccct 180

tgcgctggtg tgcaccctaa tctcccactc gagcgccaag aagaagcgaa acaacttctc 60
 acgcgctgtc tcaatcttgg aatctctgct ctaaattcta atcttcccgc catagatgtc 120
 gtcgaacttg tggtagggga attggaaacg gatccgctgt tcaattcggg ccgtggatct 180
 gccctgacag aaaaaggaac ggtggagatg gaggctagca tcatggatgg tccaaaacga 240
 cgatgcggcg ccgttt 256

<210> 40595
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941024H1

<400> 40595

aatgagcatg cttgatcttg tggcaagcct ggtgaagaca tgagtgcag gaagaatata 60
 ttcttcaggc gattgaaggc cattaccagg ctctataact gtcagtggaa gaaattacac 120
 agttagagct ggaaatactt ttggtgacta tcatcgcata ctgccccaa gagataaata 180
 tgaagtagtg gcaaccatgc cgggctacaa agcaaaggaa tacaactatt gtgtggacga 240
 aggacc 246

<210> 40596
 <211> 238
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941025H1

<400> 40596

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 acttgaaatg gatgaggagt atgaaggaaa tggtgaggct actggagagg attattcagt 120
 ggaacctgcc gagagcagga ggccattccg tgcactcctt gatgttggtc ttgttaggac 180
 tacaacagga aatcgctctt ttggtgcctt taaggagct ctggatgggg gtttgata 238

<210> 40597
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941026H1

<400> 40597

aatgatgaag agaagaagga agagaagaaa aaggagaaga gagacaagga tggcaaaact 60
 gatgcagaga agatcaagaa gaaagaagat gatgggaagg atgatgaaga gaagaaggaa 120
 aagaagagaa agtatgacaa aattgatgca gagaaagtca aggggaaaga agatgatggg 180
 aaagagtaag ggacatagga aaagaaggac aaagaaaag gagacggata atgcgaagag 240
 aagaagg 247

<210> 40598

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700941027H1

<400> 40598

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 gaagacgacg ctgtcaacgg cttcactcgg tcggagatgt actcggaata cctcgccggc 120
 actgtcgacg cctacgaccg acacgtgttc ctctgctaca agagctacgt gtcctggccg 180
 gcacgcatcg aggcaccca cgccgatccc ttccccaagc gcgatcgcg caccgtcaaa 240
 gcc 243

<210> 40599

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700941028H1

<400> 40599

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 ggccagtcgg gcgccggtaa caattggggc aaaggctatt acacagaatg gcgccgagct 120
 gatcgactcc gttctcgatg tcgttcgcaa agaggctgaa aactgcgatt gcctgcacag 180
 ttttcaagtt tgccactctc ttggaggagg cacaggttct ggcatgggaa cactgttgat 240
 atcaaaaatt 250

<210> 40600
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941030H1

<400> 40600

tcagccctc aaaccttccg ctggaaggaa atttccaaga gcaatgttgt tgacgatatg 60
 gtcaacagca acgccatcct ctatgagcct ggtgaacatc cggaccatgt ggttgtcatt 120
 aagtatgtac cttacgttgg ggacagcaag agggccatgg atgagtactc ttctgagata 180
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<210> 40601
 <211> 239
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941031H1

<400> 40601

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 tctgcaatta aggaaatggt aggaagttct atccatctga gtttggaat gatgtggacc 180
 ggactcatgc agtggaaacca gccaaatctg catttcaaca aaggccaagg ctcgcagag 239

<210> 40602
 <211> 249
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700941032H1

<400> 40602

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 aacaaaaaca ccgcgtcttc cccgtgcggg aaaaaaaaaa gaatcctcaa ttttccggga 120

aaacccttca gaatggtttc cgggaaaat accaattggc tcttcgatta cggcttgatc 180
 gacgaatatc ccgatccgga ttccaccttt ggcgtcaant ccttcgcctt tacagtgcc 240
 ccaaacgcc 249

<210> 40603
 <211> 218
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700941033H1
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 ttaggaggaa ggctttcttg cattggtata ccggggaagg catggacgag atggagtttc 180
 cagaggctga gagcaacatg aacgatctcg tgtccgag 218

<210> 40604
 <211> 249
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700941035H1
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 aaggcacaaa acatggcact gctttcttta agtgccatgg acatgagcaa tttgagatga 180
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 ttgtgtcca 249

<210> 40605
 <211> 239
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
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 aanccgcaat cttcggttcg ggcggaaccg gagcctccgg ttccgacgtt ctccccacgg 180
 ttcgcgctca cgtccggttc gcagcggaaa atcgcgatcg cggtcgatct gagcgacga 239

<210> 40606
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941038H1

<400> 40606

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 tgctaaaaca aagaagctaa gcatggatcg atcagactca agaaaccgga tgcttctgca 180
 gaagagactt ttctttcact cacacagagt ccagcctatg gcactagaac aagtgttatc 240
 agaccgtgat 250

<210> 40607
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941005H1

<400> 40607

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 aattggagca aagtttggaa ctgatgggaa cccaggtgat ttgccaaagt ggtatgcaat 180
 tgttgtggtt ctcttcattt gcatgtatgt aacatcattt gccttgatcat tggggtcctt 240
 aggttt 246

<210> 40608
 <211> 119
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700940970H1

<400> 40608

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<210> 40609

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700940971H1

<400> 40609

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ccgggttcga cggttaacac cgggctcagg tttgggcttt catgggttta ctgtaataaa 180

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<223> Clone ID: 700940972H1

<400> 40610

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agtgaaggag aatgatgatg aagtctgcta tgtgtgcatt ggtgcttgtg gactgggttg 120

tggttgaagt ggggcccatt gctgaggctg cgagtgactt gcaaccata cacagttgac 180

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<210> 40611

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700940973H1

<400> 40611

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 ctacatctgg aatcccgcag attacgtcga gcggcggagt acgaggcgct gctgcatacg 120
 catgcggaaa gcgacggcgg aggtaggaga tgagcgccgc cgacgtcgaa ggcggcgggtg 180
 gatgcgttgc cgacggtcga agattgcgtc cgacagcgaa ccgtggcgtg cactatatgt 240
 aaggatctac tcggtgtt 258

<210> 40612
 <211> 236
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700940974H1
 <400> 40612

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 ttgacataa ctaacaactg gcacaagaga tttccgtaaa gacagtgtga tacgtagaga 180
 aggtgatttt ggatcagttt tcaagggctg gattgctaac cactcactgg ctgctg 236

<210> 40613
 <211> 199
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700940975H1
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 gaaaatgtct tgctgcgggtg gtaactgtgg gtgcggaagc tcctgcaagt gcggcaacgg 120
 cttcggaagc tgcaagatgt acccagactt gagctacact gagtcaacca ccaacgagac 180
 cttggtcattg ggagttgca 199

<210> 40614
 <211> 116
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700940976H1

<400> 40614

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cgacctgcac ttgccgcttc atctcgtcct caattcagac tcttttcctc caatga 116

<210> 40615

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700940978H1

<400> 40615

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tcttgggtctt gcgagagaaa gccatgccag agacgaagat ttttggcatg ctgtttggcc 120
aaacactccc attccaagtt cattgcgaga tcttctaaag cctggccctg caagtgttga 180
aatcgatgat caccctatgc aaattgaaga aacacagtac ccgaaaacct tcttctata 239

<210> 40616

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700940980H1

<400> 40616

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tgtaagaag caaagtgttg gagagttgag tcttcacaaa gatataagtg agctgaatct 180
accaaaatca tgtaccatgc aattccccaa tggcaaagat gatctgatga actttgaag 239

<210> 40617

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700940982H1

<400> 40617

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atgactgctc agaccaaga ggagcttctt gcggccgacc ttgagcaaca aaagatccat 120
 gatgatgagc ctgtagttga ggatgatgat gaggatgacg aagatgacga cgatgaggat 180
 gacgacaatg ttgaaggtga tgcattctggt aggtccaagc agaccagaag cgaaaagaag 240

<210> 40618
 <211> 241
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700940983H1
 <400> 40618

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 aggttcgttc ttgtaactcg aattggcgtc gagtgaagtg aagggttca aaaaccagag 120
 ggaaactatg agcaatctca gaaccctatg taagacctca gacggtgttc tctttcatta 180
 gtttccaaca ccaatttcgt tctagggttt cttttcgaaa ccttacttgc aagccccgtt 240
 t 241

<210> 40619
 <211> 241
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700940984H1
 <400> 40619

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 ttatgttgcg aggagttaaa ggtggtgcag acccagaaaa gatcttccaa tcaagggtact 120
 agttccatcc atcaacaaag ttgcctattg ggatgcttca ttttcaaggt tcttttgatg 180
 caaacctgtg cttttgagaa attaatactg ctgctggatt caattacttg atcgtggata 240
 c 241

<210> 40620
 <211> 192
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700940985H1

<400> 40620
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 ggttgcgaaa ttgatggctc cccgagaatg ggtccgacgt ttggggcgat gatgatatca 120
 gggcagaagg cggctcattt ggcgttgaag gctttgggta ggaacaatgc aattgatgga 180
 acgtgtggag tt 192

<210> 40621
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700940986H1

<400> 40621
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 ataatgaagc caagggtttg ccttatttag aaactcatgc tgaaccatat atgaggcagc 120
 tatcagtagg cgatgtagtc acaggccac ttcagacatt taatgggggtt gagaagggtt 180
 gcaacatagg gtttattctc agaactacgg gacataatgg gtttgccgtt ata 233

<210> 40622
 <211> 196
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700940987H1

<400> 40622
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 tcttctcatt gccttaactt ccgagggttg cgtgcaggcg cagatggaag agacaggctt 120
 gaacctcatg tcggaggcgt tggagtgggc aaccgcaatg tcgcttctac gacgaagacc 180
 acgaagaaga ggatgt 196

<210> 40623
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 <212> DNA
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 <223> Clone ID: 700940988H1

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<210>	40624
<211>	239
<212>	DNA
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<400> 40624

<210>	40625
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<212>	DNA
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<400> 40625

<210>	40626
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<212>	DNA
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<400> 40626

16136

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 gtgtcggaga gtatatattgc tatattctgc cagaaataat tgtgttttcc cattataa 238

<210> 40627
 <211> 114
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700940992H1
 <400> 40627

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<210> 40628
 <211> 236
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700940993H1
 <400> 40628

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 ggatcactga caccgagcgt ctcatcggtg atgcggccaa gaatcaagtc gccatgaacc 120
 ccatcaacac cgtcttcgat gccaaagaggt tgattggtcg tagattcagt gattcctctg 180
 ttcagagtga tatcaaattg tggcctttca aggtcattcc tgggtgctgct gacaac 236

<210> 40629
 <211> 237
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700940994H1
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 ccattggact tagggagtac tcacgctatc tttgtttcaa ctttcctttc acccatgaga 180

aagcacttct gggacactta aagttttttc cttggaatcc tgatgctgat atcttta 237

<210> 40630
 <211> 236
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700940995H1
 <400> 40630

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 tggttcccct cacggagcga acagcatctc atcaatgact tctattcgct ccgattgatg 180
 ggtgtcatcg cacaagacat ggggtgtggt ctteccattc cagtatttta tcatct 236

<210> 40631
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700940969H1
 <400> 40631

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 agatcatagt ggctccacag tgtctgatat cactgcaagt ttgagttcca ttgatccacc 120
 aacactgtct ctggggttat ctttgtcatc tagtcaaaga caaacatcat caacacattc 180
 tgctttacat gcactgccat gcttcaacaa tcaagatagc atcataagtg ttgcttaaga 240
 aag 243

<210> 40632
 <211> 234
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700940996H1
 <400> 40632

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ggagattctc aacattgtga aggaaaactt tgatttcagg cctggtatga tctccatcaa 180
ccttgatctc aagaggggtg gaactaacag gtttttgaag actgctgcct atgg 234

<210> 40633
<211> 268
<212> DNA
<213> Glycine max

<223> Clone ID: 700941001H1

<400> 40633

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ctctatgatt gattcgattc gattgaagtc gattccgtag agagtgagaa atcagatcac 180
aataatcatc gatgggtaat ttgttcgtga agaagcccaa ggtaacagac gttgataaag 240
caatcctcgc actcaagacc cagagacg 268

<210> 40634
<211> 223
<212> DNA
<213> Glycine max

<223> Clone ID: 700941002H1

<400> 40634

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gtcctgtacc atatcgtgta atctaatttt tcatccgtaa aaatcttatc ttgtggcgac 180
gagatggcgg aggttcaagt gcagcatcag agtccggtgt cag 223

<210> 40635
<211> 259
<212> DNA
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<223> Clone ID: 700941003H1

<400> 40635

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 aggctgatct tcgccggcaa gcagctcgag gacggacgta cccttgctga ctacaacatc 180
 cagaaggagt caactctcca cttgggtgtg cgtcttcgtg gtggtatgca gatcttcgtc 240
 aagaccctta cgggtaaga 259

<210> 40636
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941004H1

<400> 40636

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 aatcacactc tcttcgttgc gtcagttcat ctctcatat ctacaactct ccttcattct 180
 ctggttcttt tctcactcca aactgaactg cgaaattttg gttttgttca ctcagtacag 240
 ggtgcatgt gcttccattt t 261

<210> 40637
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700940936H1

<400> 40637

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 gaggatcata tatatattag tagtgctaga aattaattga agtgtgtaat agaataagat 180
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 aataggc 247

<210> 40638
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700940940H1

<400> 40641

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tgaaatcagg aagatgggta gcgtactgac gatcaggcag gcacaaaggg cagaaggccc 120
agcaaccatc cttgccattg gaactgctaa cccaccagac cgtgggtgatc cgagcaccta 180
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<210> 40642

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700940942H1

<400> 40642

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atttgaagta tgctgattct catgagtggg tgaaagtga tgaaaattct gcaaccgtcg 180
gcataactga tcatgcccga gatcatttag gtgatgttgt atatgttgac ttgccagaag 240
tgg 243

<210> 40643

<211> 227

<212> DNA

<213> Glycine max

<223> Clone ID: 700940943H1

<400> 40643

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tggcaaggca agccttattt gttaacgggtg ggacttcaat ttgggttcgc cggtgcatac 120
atcttctccg tcgctagtct caaccatgga atgaatcgtt acgtcttcgt tgtctatcgc 180
aatgccatcg ctgcattggc ccttgctcct tttgcattga ttttcga 227

<210> 40644

<211> 243

<212> DNA
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 <223> Clone ID: 700940945H1
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 tcaggccgac gccgattttg ccagcgcttc cgtcttcgaa gatggctaata ttgaacttga 180
 aagagaaagc ttctccgaca aatctcattg agcctttgcc gttgtcgttg aatctgccat 240
 cgc 243

<210> 40645
 <211> 117
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700940946H1
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 caatggtatg gttagtgtaa ataactctgt caaccagca tccacatcaa caaccac 117

<210> 40646
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 <223> Clone ID: 700940947H1
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 aatgaatac aaacggtttg gttgcactct tgagtttgtt accaataaat cacaagaagg 180
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 gcg 243

<210> 40647
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<212> DNA
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<223> Clone ID: 700940948H1

<400> 40647

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 cctggatcca tctatgatgc aaatgacaca gcacaatttg ctgagctctt gacacaagga 180
 gaactgaccc gtagagcttg ggaaagggag ttcaggtgaa tgatgatgga cctgga 236

<210> 40648
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700940949H1

<400> 40648

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 ctactctgag agttgggtact gtcggttgc aggctatcac cgccatgggg ccggacggat 180
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 ctccggtc 248

<210> 40649
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 <213> Glycine max

<223> Clone ID: 700940950H1

<400> 40649

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 ctgcttccaa gcccaagcct gctgccgcca agcccaaagg gactaagcca gctgccaagc 180
 ccaagcccaa gcccgctgct aaaacaaagg ctgctgctgc caagcccgcg gcaaagccca 240
 aagcgaa 247

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<211> 54
<212> DNA
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<223> Clone ID: 700940951H1

<400> 40650

ggaaatcctc cattttccga acaggctaac aatctgtctc cggtcccctc ggaa 54

<210> 40651
<211> 101
<212> DNA
<213> Glycine max

<223> Clone ID: 700940952H1

<400> 40651

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tgtctcaciaa tttactacgg ggctcttgag atgaggtatc g 101

<210> 40652
<211> 242
<212> DNA
<213> Glycine max

<223> Clone ID: 700940953H1

<400> 40652

ctcatgccca agttcgatat taactccttg cttgctctca ttcacaagca caaagtcact 60

attgcccttg tcgtccctcc cattgctctc gccatctcca aatcaccga tctccacaat 120

tacgatctgt cttccatcag agtcttcaag tccgggggag ctctctcgg tcaggcactc 180

ggagacactc tcagagctag atttcccaaa cgacaaactt ggccagggtt acggcatgac 240

tg 242

<210> 40653
<211> 105
<212> DNA
<213> Glycine max

<223> Clone ID: 700940956H1

<400> 40653

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gcgatgaaat cggtcataat gatgagagca tgctgggtcc atccg 105

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<223> Clone ID: 700940957H1

<400> 40654

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cttccccaag tgtcgagcgc cgatcccgag caccgagaag aggaggaggc acccgccgtc 120
ggcgacgacg aggacaccgg agcacacgtc gctcccatcg tcaagctcga ggagggttgc 180
gtcaccaccg gcgaggagga cgaagatgca atcctagatc tcaaatacga gctttaccgg 240
ttcg 244

<210> 40655
<211> 244
<212> DNA
<213> Glycine max

<223> Clone ID: 700940958H1

<400> 40655

gcgaaaacca aatcaagatg ctgagagtgg gcgcaaagag gcttttggga acgacgtcag 60
ttgggcgtta gggttccggc gaggctgtac caccgagagg ttgtggatca ctacgacaac 120
ccccggaacg ttggatcggt agacaagaac gacccgagcg tggggacggg tttggtgggg 180
gcgccggcgt gcgagcacgt gatgaagctc cagattaagg tcgacgacaa aaccggaaaa 240
atcg 244

<210> 40656
<211> 119
<212> DNA
<213> Glycine max

<223> Clone ID: 700940959H1

<400> 40656

gagagaggcg agggatagga tgggttggtg ccaatcatcg acgttgctga gagtgggaga 60

gagggagatc accctgaaaa ggaataggaa aaagaccacc agaggctctc tgaggccga 119

<210> 40657

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700940960H1

<400> 40657

atttattttg cagtaacgga agagagtgga actggatccc cgtcatcgga taaacacaat 60

agctgtagca gagaggagat tcgcagaaga agataaggga tgtttgggtt aatcggaaga 120

aaggccaatt tgttggtagg atcggaaca agaagaagggt gggtgagctt cgcagcaaca 180

gccacaacca cttctaattg tggtgccatg gaggagttgc tttcgcaact ccaatctaa 239

<210> 40658

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700940961H1

<400> 40658

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gtagcacaac ttatcttctt agaccaactt tgtgagattt caccgtacct tccaagaagc 120

tcgctggaaa cccacgttcc gtatgccatt ctccgttcag tatacagcca atactatgca 180

gatactcagt ccaactccatt ggcaatactg aacgcatcac cccgtcattc acctgccgtg 240

tt 242

<210> 40659

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700940962H1

<400> 40659

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caagaaatct	cgttgcatgg	gctcgtccat	tactctcaag	cgaagaagga	ttggaagcaa	120
tgatagatcc	atctctagga	catgatgtgc	cttctgatag	tgtggcctaag	gttgcagcca	180
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<223> Clone ID: 700940965H1

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aggtggagt	tagcagcaa	gaagaaggt	caggagccg	ttacgaacc	ttgttcgag	120
aagcgtccg	agcagttcg	gatcggagg	gcgctgcgc	cgaagcggg	cctgacgcg	180
ttcgtgacat	cgccgaaga	cgtccaaat	ctacgcatt	tgcgcatct	caagcagagg	240
c						241

<223> Clone ID: 700940966H1

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tgaattcaaa	atgagatttt	atcaatagca	aaactacagc	atagaaatct	tgtggagtta	120
atagggtttt	gtctagaagt	gcaagagaag	attcttattt	atgagtacat	gtccaacggg	180
agcctttgata	actttttatt	tggttttgatt	cttgacttta	aactcttgaa	taatatcaaa	240

16149

<212> DNA
 <213> Glycine max
 <223> Clone ID: 700940967H1
 <400> 40665

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 gtgcgcctcg ggaacgaggg ctccatcaag cagaggatca aggtgatcaa gggcatgtac 120
 tactccatca cttcatgggt ggcccgacc tgcgcgctag aggagaggct caacatatcc 180
 gtcactccag actggggcgt cattcctatt cagactttgt ataccagcag tggttgga 239

<210> 40666
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700940968H1
 <400> 40666

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 tctcgcttt tctcacaaaa caaaaaaat taaaaatttc tccgaagact gtgtattatc 180
 gttatcgctt actgacttaa gttttgctgt tcttcctagg gttttattgt gtccaataac 240
 aaga 244

<210> 40667
 <211> 251
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700940903H1
 <400> 40667

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 caattttcac taacagcctt ctttctatct tagctctcag aaacttcaat aacaatgaag 120
 aaagttgtgt tgaagggtga agtacatgaa gacaaaatca agcaaaaagc tatgaagggt 180
 gtctctggca tttcaggggt tgagtcagtt tctgtggaca tgaaagacaa gaaattgacc 240
 gtaattgggg a 251

<210> 40668
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 700940904H1

<400> 40668

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gcagaatatt ttgcggtatt ggggtgaacaa cagatgtctg cagatgctat tgccaggtgt 180
ctatatgccc ttgaatgtgc atggcatccc atgttcaatc cattgcaggg aaattgccgg 240
ctgaagtgc 249

<210> 40669
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 700940906H1

<400> 40669

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tgtcttgctc aaaaatttgt acttgtcttg tgatccgtat atgaggaatc tcatgaacaa 180
gcccgaaggc cctcccaata gtcgtgttta cactcctggc tctccattaa taggatatgg 240
tgtgtctaaa g 251

<210> 40670
<211> 123
<212> DNA
<213> Glycine max

<223> Clone ID: 700940908H1

<400> 40670

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cca

123

<210> 40671
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700940909H1

<400> 40671

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 atcatatttg ctctggaaga tatgctcttc aagcacttga gccagcttgg ataacatcta 180
 gacaaataga agcgggacgg cgggcaatgt cacgaaatgt tcgccggagt ggaccaataa 240
 tggtagcgt 249

<210> 40672
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700940910H1

<400> 40672

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 cctccg 126

<210> 40673
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 <212> DNA
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<223> Clone ID: 700940912H1

<400> 40673

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 aggtctcggt tgtggaggcc tttttgccca gagtagttga agaacacaat ttgctccctt 180

<212> DNA
 <213> Glycine max

<223> Clone ID: 700940918H1

<400> 40679

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 tttctcccc taaccctaata cttecggttt tctaattttc ggcagttct ctctgtaaca 180
 catccgcat tcgcttcttc ttccgtacat ggctcaacca gacactctca ctatcactcc 240
 caccagttct 250

<210> 40680
 <211> 246
 <212> DNA
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<223> Clone ID: 700940919H1

<400> 40680

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 tcgataagat caccgagaag cttcacggcc acgattcttc ctcttcttcc tcttcggatt 180
 ccgattccga aaaaaccgtt acttcgtccg ttaaggatag ggtttttcgc ctcttcggaa 240
 gggaga 246

<210> 40681
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<223> Clone ID: 700940920H1

<400> 40681

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 aaagtacatc acatcaatca agcagagctg ctctgtctgt tgtccatggg caggagcagg 180
 gccttagcga ccagttcag ttgatgagaa tgttcgcaga aagggtcaa aagcaacaca 240

cttcttccaa t

251

<210> 40682
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<223> Clone ID: 700940921H1

<400> 40682

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 catgaacctc aagcgaaccg tcaagggttt cattgccgcc ggtttcgcag gaatcattct 180
 ggaagaccag attgcgccga aagcgtgtgg gcacacgcgc gggaggaaag tgataccgag 240
 agaggaggg 249

<210> 40683
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 <212> DNA
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<223> Clone ID: 700940922H1

<400> 40683

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 ttcaactgta atcaaacct catgtgattt tgccaggctg cgaatcaggg aacgatcatg 120
 gatca 125

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<223> Clone ID: 700940924H1

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 tccaccata tatccagaaa caaggaagct caaacgctt atggcttcta gccttcatat 180

ccttcttcac cttagttttc ctggccacac tcatgtacac aagagacaca acctcatcta 240
ccactacc 248

<210> 40685
<211> 124
<212> DNA
<213> Glycine max

<223> Clone ID: 700940925H1

<400> 40685

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gagacttacg tcgagcggcg gactacgagg cgctgctgca tacgcatgcg gaaagcgacg 120
gcgg 124

<210> 40686
<211> 125
<212> DNA
<213> Glycine max

<223> Clone ID: 700940926H1

<400> 40686

gggagggagc cgtagcagcg gaagctctag cttgggtagc gaatcacaat ggcgagagga 60
ttaaagaagc atctgaagag gcttaatgcc ccaaagcatt ggatgcttga caaactgggt 120
ggtgc 125

<210> 40687
<211> 244
<212> DNA
<213> Glycine max

<223> Clone ID: 700940927H1

<400> 40687

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caagctcaat gggtatggct atgacaatct catccttaga gttgaatggg caacccaag 180
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tgta

244

<210> 40688
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700940928H1
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 gcgactcata ggcgtggcctt ggtaaggga aaccaccgga gccgtagcga aagcgacgta 120
 cttca 125

<210> 40689
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 acattaagga gttcttttca ttttctgggtg atattgaata tggtgaacta cggagccatg 180
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<210> 40690
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 <223> Clone ID: 700940902H1
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 gatttcagca gtttttgaat ctgtggatga gccggaggag gcactgaagc tggtgaacag 120
 ggcgatgaag ttgttgaggg ataagccagg gcagcagagc acgattgcag ggattgaggc 180

acgaatggga gtgatgtatt acatgattgg gaggtatgag gactcaagga actcgtttga 240
gagtgcctgtg gc 252

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cgaccaatgg atacaagttc aggttatgag gaccaaactc cattcttagg ccggtggctg 120
aatgagcaca tccaagatgc acagaacacc cttcacagc cacttctatt tgcggagttt 180
ggatattcca caaagagtta tggctcgcaac tcaacaccaa gggatcggtt attcaacacg 240
gtatat 246

<210> 40692
<211> 247
<212> DNA
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<223> Clone ID: 700940931H1

<400> 40692

ttatgaatga acattgagaa aaaaggcaga ggcagaaaca gagaagcaga agaaaaccac 60
acttttttca tggccaaaat cattggcagg agcagaaaga gaagaataac aacgactact 120
actcaacaac tatgcaacag aatggttcat catcatgtca atgtccgctg caacctgttc 180
catagcatgt cttttcttgg tcgttttatt tgggacagga tccttctctg ctctcttgga 240
aggcctt 247

<210> 40693
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<212> DNA
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<223> Clone ID: 700940932H1

<400> 40693

cgcccttctt ttcacctca cttttcttct cattgcaaaa gcatccataa tccaggctct 60
 caatcaccac aaccaacttt tccaccttcc ttcaaataa tactatccct ttacaagcct 120
 ctctccaca cctatTTTTg caactgtttc ttgattctct cagcaaatgc aactgctttt 180
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<210> 40694
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 <212> DNA
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<223> Clone ID: 700940933H1

<400> 40694

cgagtggcgg accacccgtt aagaagcaaa gtgccggcga gttgcgtctt caciaagata 60
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 gat 123

<210> 40695
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<223> Clone ID: 700940934H1

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 ggaagaagct cgatacccggt ttccctgctg ctccgataaa gaagataatg caagctgatg 180
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 gtttgca 247

<210> 40696
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 <212> DNA
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<223> Clone ID: 700940901H1

<223> Clone ID: 701037344H1

<400> 40699

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anaaaaaa 68

<210> 40700

<211> 50

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 701037876H1

<400> 40700

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<210> 40701

<211> 134

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 701037940H1

<400> 40701

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ccagctttcc ctat 134

<210> 40702

<211> 136

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 701038012H1

<400> 40702

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anctttncnc tatagt 136

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<400> 40705

ctcggggccga ctagtgaggn cgtcgacccg ggaattaatt ccggaccggt acctgcaggc 60
 gtaccagctt tccccatagt gagtcgtatt agagcttggc gtaatcatgg tcatagctgt 120
 ttctgtgtg aaatcgttat ccgctcacia ttccacacia ca 162

<210> 40706
 <211> 163
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 701038329H1

<400> 40706

agctcggaat tcgntcgag gttgataaac aaaaaaaaaa aaaaaggng gccgcngcn 60
 antganntcn tcgacccggn atnaatnccg gacccggtan tgnaggcgna nagttttccc 120
 cnatantgag ccgtattaga gcttggncnt aataaggac aaa 163

<210> 40707
 <211> 187
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 701038440H1

<400> 40707

agtcgcangc acgcgtacgt nagctcgga ttcgagctt gngatcctct agagcggccg 60
 ccgactagt agctcgtcga cccgggaatt aattccggac cgtacctgc aggcgtacca 120
 gctttcccta tagtgagtcg nattagagct tggcgtnatc atggcatag ctgtttcctg 180
 tgtgaaa 187

<210> 40708
 <211> 215
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 701038734H1

<400> 40708

tcgcangcac gcgtacgtaa gctcggaatt ccgagcttgg atcctctaga gcggccgccg 60

actagtgagc tcgtcgaccc gggaattaat tccggaccgg tacctgcagg cgtaccagct 120
 ttccctatag tgagtcgtat tagagcttgg cgtaatcatg gtcatagctg tttcctgtgt 180
 gaaattgtta tccgctcaca attccacaca acata 215

<210> 40709
 <211> 217
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: 701039077H1

<400> 40709
 acgtcgcang cacgcgtacg taagctcgga attccgagct tgnatcctct agagcggccg 60
 ccgactagtg agctcgtcga cccgggaatt aattccggac cggtacctgc aggcgtagca 120
 gctttcccta tagtgagtcg tattagagct tggcgtaatc atggtcatag ctgtttcctg 180
 tgtgaaattg ttatccgctc acaattccac acaacat 217

<210> 40710
 <211> 237
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: 701039165H1

<400> 40710
 attttanagn cgcangcacg cgtacgtaag ctccgggaatt ccgagcttgn gatcctctag 60
 agcggccgcc gactagttag ctcgtcgacc cgggaattaa ttccggaccg gtacctgcag 120
 gcgtaccagc tttccctata gtgagtcgta ttagagcttg gcgtaatcat ggtagatgct 180
 gtttcctgtg tgaaattggt atccgctcac aattccacac aacatacgcg nnncccn 237

<210> 40711
 <211> 179
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: 701039235H1

<400> 40711

gtcncangca cgcgtacgta agctcggggcc gactagttag ntcgtcgacc cggaattaa 60
 ttccggaccg gtacctgcag gcgtaccagc tttccctata gtgagtcgna ttagagcttg 120
 gcgtaatcat ggcatagct gtttcctgtg tgaaatngtt atccgctcac aattccaca 179

<210> 40712

<211> 174

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 701039319H1

<400> 40712

gcangcacgc gtacgtnagc tcggaattcc gagcttgga tcctctagag cggccgccga 60
 ctagtgagct cgtcgncccg ggaattaatt ccggaccggt acctgcaggc gtaccagctt 120
 tccctatagt gagtcgtatt agagcttgga gtaatcatgg tcatagctgt ttcc 174

<210> 40713

<211> 179

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 701039339H1

<400> 40713

tcgcangcac gcgtacgtaa gctcggccga ctagtgagcn ccgtcgaccc gggaattaat 60
 tccggaccgg tacctgcagg cgtaccagct ttcctatag tgagtcgtat tagagcttgg 120
 cgtaatcatg gtcatactgt tttcctgtgt gaaatngtta tccgctcaca attccacac 179

<210> 40714

<211> 57

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 701039490H1

<400> 40714

gtctcnngca cgcgtacgtn agctcgggaat tcggctcgag ntaaaaaaaaa aaaaaaa 57

<210> 40715
 <211> 53
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 701039640H1

<400> 40715

gnantgagcg tacgtngctc ggaattcggc tcgagntaaa aaaaaaaaaa aaa 53

<210> 40716
 <211> 221
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 701039666H1

<400> 40716

cccgaanagt cgcangcacg cgtacgtan ctcggaattc cgagcttgng atcctctaga 60

gcggccgccc actagtgagc tcgtcgaccn nggaattaat tccgggaccg gtacctgcag 120

gcgtaccagc tttccctata gtgagtcgta ttagagcttg gcgtaatcat ggcatagct 180

gtttcctgtg tgaaattggt atccgctcac aattccacac a 221

<210> 40717
 <211> 59
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 701039718H1

<400> 40717

tacgttagct cggaattcgg ctogagccgg ccttttagga aaaaaagaag aaaaaaan 59

<210> 40718
 <211> 208
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 701039810H1

<400> 40718

aagtcgcngc acnggtacnn agctcggaat tccgagcttg ggatcctcta gagcggccgc 60
cgactagtga gctcgtcgac ccgggaatta attccggacc ggtacctgca ggcgtaccag 120
ctttccctat agtgagtcgt attagagctt ggcgtaatca tggcatagc tgtttcctgt 180
gtgaaatttt atccgctcac aattccat 208

<210> 40719

<211> 313

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 701039938H1

<400> 40719

nntngaggta gngncgnttg gtcagtana gntgttgac agatggnatg gtttaatnaa 60
gttgtacgga aggccttctt gccangtgtg ncgtgattgc cgggtatanc agacagtant 120
tcgaaggnat gggagaatta catnttgaaa tgcattgttg ntacggngca aangagantt 180
taaggtggaa gntaacgttg gtgcccccca agnaaactna caggagngc atttccaaaa 240
tgctcagaag tgaagtatgt gcacaagaaa cantccaggt ggcagggtn agtttgcaga 300
tgtcatgtcc ggt 313

<210> 40720

<211> 317

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 701040024H1

<400> 40720

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gnnagagagg aaggaanaag nanagnaang gnggagaggn anangaggac taggagcgan 120
aagganagng agggcnnggc aaggagngga gnaaagaagg agaaggggna agnaaggagn 180
gaaaangcng aannnggaagn agacnnnggn agggaaagag gagnaagagg gatananaca 240
cnngacnaag naaaganana aaggngagga gnagagaagn aagnggnaag aganaanang 300

agaagcaaan ggnagcc

317

<210> 40721
<211> 195
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 701040203H1

<400> 40721

tctanngcac gcgtacgtaa gcttggatcc tctagagcgg ccgccgacta gtgagctcgt 60
cgacccggga attccggacc ggtacctgca ggcgtaccag ctttccctat agtgagtcgt 120
attagagctt ggcgtaatca tggatcatagc tgtttctgt gtgaaattgt tatccgctca 180
caattccaca caaca 195

<210> 40722
<211> 52
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 701040214H1

<400> 40722

naagctcgga attcggtcgc aggttctaga tcgcgagcgg gccctttttt tt 52

<210> 40723
<211> 64
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 701040221H1

<400> 40723

gctcgcacgc gtacgtnagc tcggaattcg gctcgaggaa tccattgaga gaaaaaaaaa 60
aaan 64

<210> 40724
<211> 184
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 701040223H1

<400> 40724

cgcangcacg cgtacgtaag ctcgggccga ctagtgagct cgtcgacccg ggaattaatt 60

ccggaccggt acctgcaggc gtaccagctt tccctatagt gagtcgtatt agagcttggc 120

gtaatcatgg tcatagctgt ttctgtgtg aaattgttat ccgctcaca ttccacacaa 180

cata 184

<210> 40725

<211> 210

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 701040589H1

<400> 40725

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actagtgagc tcgtcgaccc nggaattaat tccggaccgg tacctgcagg cgtaccagct 120

ttccctatag tgagtcgnat tagagcttgg cgtaatcatg gtcatagctg tttcctatgt 180

gaaattgtta tccgctcaca attccacaca 210

<210> 40726

<211> 310

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 701040681H1

<400> 40726

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gancgnngat nngnntnngn nnnnnntnnc caangnnana nanannnggn ngangngcgn 120

ngtgnntngn cnnggannnn gnncangcta tngncaggtn angggccntg nnnnctcaga 180

gnnanctnnn aactgnncag cngaantgac gggaagagan ttgtatctgn tnnttgggggt 240

tngganacng gtcaaaaacc ttntgtgtgg natnagctga gccagangg tgacagacct 300

002200"CTTCE560

nctggganaa

310

<210> 40727
<211> 217
<212> DNA
<213> Glycine max

<223> Clone ID: 701040815H1

<400> 40727

cggctcgaga aattagttgc taatgaagga aacaacacac ttcattctgg acccaaagca 60
ttcagtgatg ttctttggaa agtgacaagg tatataaaag atggtgaaaa acccagaatc 120
accttcagtt accacagtta tgatggtgaa ggaggatttc ctggggacct cctagtaact 180
gtgagctaca ttcttgggaa aaactcattg aggataa 217

<210> 40728
<211> 152
<212> DNA
<213> Glycine max

<223> Clone ID: 701040849H1

<400> 40728

aattccgagc ttggatcctc tagagcggcc gccggactta gtgagcttcg ttcgacaccg 60
ggaattaatt ccggaccggt tacctggcag ggcgtaccag ctttcctat agtgagttcg 120
tattagagct tgggcgtaaa ttcattggta ta 152

<210> 40729
<211> 218
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 701041055H1

<400> 40729

nngcncnngt acggnanctc ggnnttnggc tcnaggtcga nctnaactc agaatngcat 60
canagttntc ctgcagantt gcntcaaatt cnangtttgn cngancaana tnnngcatgc 120
cngattnnnc agacgntent anggnannga ccnnattgg naattccgcg tcgtctntna 180

218

<400> 40730

acaacata 188

<400> 40731

ccgctcacia ttccacacia catacgngnn nncc 214

<400> 40732

cgactagtga gctcgtcgac cacgggaatt aattccggac cggtagctgc aggcgtacca 120

gctttcccta tagtgagtcg tattagagct tggcgtaatc atggtcatag ctgtttcctg 180
 tgtgaaattg ttatccgctc acaattccac acaacatacg n 221

<210> 40733
 <211> 215
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 701041147H1

<400> 40733

cacgcgtacg taagctcgga attccgagct tgngatcctc tagagcggcc gccgactagt 60
 gagctcgtcg accacgggaa ttaattccgg accggtacct gcaggcgtac cagctttccc 120
 tatagtgagt cgtattagag cttggcgtaa tcatgggtcat agctgtttcc tntgtgaaat 180
 tgttatccgc tcacaattcc acacaacata cgnnn 215

<210> 40734
 <211> 208
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 701041307H1

<400> 40734

gtcnnangca cgcgtacgta agctcggaat tccgagcttg gatcctctag agcggccgcc 60
 gactagttag ctcgtcgacc cgggaattaa ttccggaccg gtacctgcag gcgtaccagc 120
 tttccctata gtgagtcgta ttagagcttg gcgtaatcat ggtcatagct gtttcctgtg 180
 tgaaatgtta tccgctcaca attccaca 208

<210> 40735
 <211> 207
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041339H1

<400> 40735

agtcgcatgc acgcgtacgt aagctcgga ttcgagctt ggatcctcta gagcggccgc 60

cgactagtga gctcgtcgaa ccgggaatta attccggacc ggtacctgca ggcgtaggag 120
 ctttcctat agtgagtcgt attagagctt ggcgtaatca tggcatagc tgtttcctgt 180
 gtgaattgtt atccgctcac aattcca 207

<210> 40736
 <211> 219
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: 701042162H1

<400> 40736
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 gccgccgact agtgagctcg tcgaccggg aattaattcc ggaccggtac ctgcaggcgt 120
 accagctttc cctatagtga gtcgtattag agcttggcgt aatcatggtc atagctgttt 180
 cctgtgtgaa attgttatcc gtcacaatt ccacacaac 219

<210> 40737
 <211> 319
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: 701042237H1

<400> 40737
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 cgcgcgggga gaggcggttt gcgtattggg cgctcttcg cttcctcgct tcaactgactc 120
 gctgcgctcg gtcgttcggc tcgcgcgagc ggtatcagct cactcaaagg cggtaatagc 180
 gttatccaca gaatcagggg tggcacgcag gaaagaacat gtgagcaaaa ggccagcaaa 240
 aggccaggaa ccgtaaaaag gccgcgttgc tggcggtttt ccataggctc cacacatcat 300
 agannnngac antggntcn 319

<210> 40738
 <211> 65
 <212> DNA
 <213> Glycine max

002260"CTT560

<223> unsure at all n locations
<223> Clone ID: 701042284H1

<400> 40738

cgtcgctngc acgcgtacgt aagctcggaa ttcggctcga gnaattcagg aaaaaaaaaa 60
aaaaa 65

<210> 40739
<211> 298
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 701042646H1

<400> 40739

antangcatg cacgcgtacg taagctcgga attccggacc ggtacctggc aggcgtacca 60
gctttcccta tagtgagtcg tattagagct tggcgtaatc atggtcatag ctgtttcctg 120
tgtgaaattg ttatccgctc acaattccac acaacatacg accntaacgn tgnngnncgn 180
ngngnggngn nggangnntn gnaagnngag nngngtngg ggnnnggggg tnttgnnnnc 240
ggngnntcgn nnnnggggnn agtngtgaac cccccngnan gggtnctggn nntttnt 298

<210> 40740
<211> 226
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 701043371H1

<400> 40740

ncgtcgcan g cacgcgtacg taagctcgga attccgagct tgggatcctc tagagcggcc 60
gccgactagt gagctcgtcg acccggaat taattccgga ccggtacctg caggcgtacc 120
agctttccct atagtgagtc gtattagagc ttggcgtaat catggtcata gctgtttcct 180
gtgtaaattg ttatccgctc acaattccac acaacatacg cnnnnn 226

<210> 40741
<211> 166
<212> DNA

<213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: 701043413H1
 <400> 40741
 ntgcgana cgcgtacgta agctcgggcc gactagttag ctcgtcgacc cgggaattaa 60
 ttccggaccg gtacctgcag gcgtaccagc ttccctata gtgagtcgna ttagagcttg 120
 gcgtaatcat ggcatagct gtttcctgtg tgaaattgtt atccgc 166
 <210> 40742
 <211> 77
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: 701043518H1
 <400> 40742
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 tttttttttt ttttttn 77
 <210> 40743
 <211> 177
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: 701043595H1
 <400> 40743
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 ttccggaccg gtacctgcag gcgtaccagc ttccctata gtgagtcgta ttagagcttg 120
 gcgtaatcat ggcatagct gtttcctgtg tgaaatngtt atccgctcac aattcca 177
 <210> 40744
 <211> 181
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: 701043638H1

tagaagggaa aacaaaagtg ctttacttcg aatctgtttc caaccccacc cttacggttg 120
cgaacatacc tgaactgtgc cacatggcac accggaaggg agtgacggtg gtggtggaca 180
acacgttcgc gcccatggtg c 201

<210> 40748
<211> 269
<212> DNA
<213> Glycine max
<223> Clone ID: 701041545H1
<400> 40748

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acagtgccgc cgtcttcgcc tggaaggggtg agaccctcca ggagtactgg tgggtgcaccg 120
agcgcgccct cgactggggc cccggtggtg gaccgcacct catcgtcgac gacggtggtg 180
acgctaccct tctcatccac gaaggcgtca aggccgagga gctctatgag aagaccggcg 240
aactccccga cccaactcc accgacaac 269

<210> 40749
<211> 294
<212> DNA
<213> Glycine max
<223> Clone ID: 701040287H1
<400> 40749

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tcgctgacag aatcaataag atgcttgacg tgctcgagaa gaacatcttg tgggtcaacc 120
ctgactgtgg tctcaagacc cgcaagtaca ctgaagtga gccagccctc acaaacatgg 180
ttgccgcagc aaaactcatc cgtaacgaac ttgccaaagt aatggtataa gaaagtagaa 240
tctacaagtt cattggttct gcttttataa tacaccaaag aaaaattttc tata 294

<210> 40750
<211> 297
<212> DNA
<213> Glycine max
<223> Clone ID: 701040251H1

<400> 40750
 gccccactca accaccacac ctctcctcgt tcacgctacc cctttctgct cttcttctac 60
 ctttcaagtt ttaaaagtat aaagatggca gagacattcc tatttacctc agagtcgggtg 120
 aacgagggac accctgacaa gctctgcgac caaatctccg atgctgtcct cgacgcttgc 180
 ctcgagcagg acccagacag caaagttgcc tgcgaaacat gcacaaaaac caacttggtc 240
 atggtcttcg gagaaatcac gaccaaggcc aacgttgact acgagaagat agtgcgt 297

<210> 40751
 <211> 252
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700967039H1

<400> 40751
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 ggcaaattggc cttgccagaa ggtgcattgt ccaagtttcc tatgccattg gtgtccctga 120
 gcccttgtca gtgtttgtgg acacttatgg aactgggaag attcctgaca aggagattct 180
 tcaaattgtg aaggagaatt tcgacttcag acctggaatg atcaccatta acttggacct 240
 taagaggggt gg 252

<210> 40752
 <211> 257
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701041675H1

<400> 40752
 ggagaggata aggctttgca tttcatttga gagagagagc gtcttaactt tacattatca 60
 aaatggctgt ttcggctatc acaggagcga ggctaaatct agggataggg ttggcgatac 120
 ctctttcctc tcccacgcgc tctcgaaccg tcgcaatggc cgtatccgtc gacccaaga 180
 ccgacaacaa actcactctt accaagtccg aggaagcttt cgctgctgcc aaggagctga 240
 tgcctggagg tgtcaac 257

<210> 40753

<211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042351H1

<400> 40753

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 gaagaaagga accagctttg gtgcaccctg tctgctggaa aacactttgg cagagctggg 120
 tatcgatgcc gtccccagca ttgaaatggg tcgggttgct aattcaggca ctgaagcttg 180
 catgggtgcg ctccgtctgg cccgtgctta taccggaaga gagaagatca tcaagtttga 240
 gggctgtta 249

<210> 40754
 <211> 294
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040274H1

<400> 40754

aatgcaaata ccacaaagac ttatgctaca agaaccatat ttttcttgaa agatgatgga 60
 actttgacac cattggccat tgagttaagt aagccacatc ctcagggtga agaatatggg 120
 cctgttagcg aagtctacgt gcctgccagc gaaggagtgg aagcttatat ttggttactg 180
 gcaaaggctt atgttggtgt gaatgatgca tgctaccatc aaatcattag ccattggcta 240
 agcactcatg caattgttga gccatttgct atagcaacaa acaggcaact gagt 294

<210> 40755
 <211> 186
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043046H1

<400> 40755

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 atgtccgctg tcattttacaa ggactggggtt ttcactgatc aagcattacc taatgatctt 120
 gtaaagagag gagttgctgt taaggaccca tctgctcccc atggagtctg tcttttgatt 180

gaggac

186

<210> 40756
 <211> 158
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037401H1

<400> 40756

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gtcatttaca aggactgggt ttctactgat caagcattac ctaatgatct tgtaaagaga 120

ggagttgctg ttaaggaccc atctgctccc catggagt 158

<210> 40757
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039015H1

<400> 40757

ccctaaccaa gttttaagtt tttctcaaca gaatggaagc aaccaacaga agctcttcct 60

ccacttcctc ttcctctgat tgctgctctt ccgagtccaa cccaacaag cccgacagaa 120

tcaaaggccc atggagcgcc gaagaggatc ggatcctgac cggactcgtc gaacgatacg 180

gcccacgaaa ttggtccctc atcagccgct acattaaggg aaggtcgggc aagtcatgcc 240

ggctccgatg gtgcaatcag ctta 264

<210> 40758
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042608H1

<400> 40758

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aactcaccaa caacaaccgc tccatctttt ccctttgacg acccaactat tccatgggag 180

aaacgaaaac gttcaaagcg ttctcgcgac catccttctg aagaagagta cctcgccttc 240
 tgcctcatca tgctcgctcg cggcggcacc ac 272

<210> 40759
 <211> 272
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041839H1

<400> 40759

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 gtttagtccc tttgaagaaa ccaacctcag ttacttgag acaccgtgga ccaaaggaaa 180
 gcgttctaag cgtagcgcat ggagcagcaa ctgcaacact cttcatgcac cgaggaagag 240
 tacctcgctc tctgtctcat catgctcgct ca 272

<210> 40760
 <211> 198
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042926H1

<400> 40760

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 cgaggctctg cagaagctgg tggagaaaca cgggccagg aactggtctc tgatcagcaa 180
 gtccatcccg ggccggtc 198

<210> 40761
 <211> 234
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038462H1

<400> 40761

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 ccagcagagc tccttataat cagggtcctt ttgaagaagg agatgctggg aagtcttctg 180
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<210> 40762
 <211> 267
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701039421H1
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 aaggacgacc tcgaagagca tttgatcgtc gcagtgggac tggacgagga aatgaattca 180
 aacgtgaagg ttcaggacgt ggtaactggg gagcccaaac tgatgaactt gctcaggtaa 240
 ctgatgaggt tgcgaatgaa actgaaa 267

<210> 40763
 <211> 289
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701036956H1
 <400> 40763

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 atcgcgtttc gcaggctgca atggcgacgt tcgaactgta ccgcaggctg acgatcggaa 180
 tgtgcctgac ggagacgctg gacgagatgg ttcagaacgg cactctcagc cccgagctcg 240
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<210> 40764
 <211> 274
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701041532H1

<400> 40764

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 tcgcgtttcg caggctgcaa tggcgacggt cgaactgtac cgcaggtcga cgatcggaat 180
 gtgcctgacg gagacgctgg acgagatggt tcagaacggc actctcagcc ccgagctcgc 240
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<210> 40765

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 701042075H1

<400> 40765

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 accatcgacc atgtgatttc gtggaacgat tctggatcgt ctttcacgt ctggaacacc 180
 accgctttcg ccaaggattt gcttcctaaa tatttcaagc acaacaactt ctccagcttc 240
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<210> 40766

<211> 271

<212> DNA

<213> Glycine max

<223> Clone ID: 701038289H1

<400> 40766

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 tggccgcacc gacaacgcca tcaagaacca ttggaattcc accctcaaga ggaagcgctc 180
 cgagcctctc tccgagcctc ggcctctgaa gagatccgcc accgtttcgg gtagtcaatc 240
 cggatccgat ttgagcgatt cgggtttacc c 271

<210> 40767

<211> 284
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038255H1

<400> 40767

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 tggagacggtt gcggggttag ttctaagggg tggttctggc cttgggtttt tggaacgtac 180
 ggtgtcgttt tgggggttggg aaaacaaatt ctgagagatg gcaaccacga acccttttga 240
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<210> 40768
 <211> 238
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038727H1

<400> 40768

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 tcatcgccgc cgagcaactc aaggcggcgg ctgcggcctc ggcggccacc gcggtccca 180
 agaaggcgcc ggctcagcag aacaagccgg ctgagctccc taccaagccg ctcctcc 238

<210> 40769
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042306H1

<400> 40769

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 cggcggcggg cgctgatata tcgggcgaga acgagaaatt gaagaaggac aacgagaaat 180
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251

<210> 40770
<211> 291
<212> DNA
<213> Glycine max

<223> Clone ID: 701038207H1

<400> 40770

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tgagaagact gtgtatttgg tggatcagct cactgctgac aacaagatct atcacaaatc 120
atgtttcaga tgctaccact gcaagggtag ccttaagttg agtaattatt gttcctttga 180
gggtgtttta tactgtaagc ctcatcttga tcaactcttt aagaagactg gcagcttgga 240
caaaagtttt gaaggatttc caagaactgc aagacttgaa agatctgccg a 291

<210> 40771
<211> 265
<212> DNA
<213> Glycine max

<223> Clone ID: 701037159H1

<400> 40771

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cgatgagaat ggccttaaga aaggccctg gactcccgaa gaagatcaga aactagtcca 120
acacattcag aaacatggcc atggaagttg gagagccctc cctaagttag ctggtctcaa 180
tagatgtgga aaaagttgta ggctaagggtg gactaactat ttaaggcctg atatcaagag 240
ggggaatttt ctcaagaaga ggagc 265

<210> 40772
<211> 287
<212> DNA
<213> Glycine max

<223> Clone ID: 701041007H1

<400> 40772

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tgagaatggc cttaagaaag gtccttggac tcccgaagaa gatcagaaac tagtccaaca 120
cattcagaaa catggccatg gaagttggag agccctccct aagtttagctg gtctcaatag 180
atgtggaaaa agttgttagc taaggtaggac taactattta aggctgata tcaagagggg 240
gaagttttct caagaagagg agcaaacaat tctgcatctc cattcca 287

<210> 40773
<211> 295
<212> DNA
<213> Glycine max

<223> Clone ID: 701039535H1

<400> 40773

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ttcctcggtg ttttaagcctt gtcgatttcc gaacaccaat ccgagttaat taaacaatga 120
gagtttcgac agaaaagtta gagacagagc cggagagcaa aaagataaaa cgcattcgtg 180
gcggcgccgg cgaggactcg agcaataagc accctttgta ccgcggcgtg cggatgcgga 240
actgggggaa atgggtgtcg gaaatccgag agccgcggaa gaagtcgcgg atatg 295

<210> 40774
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<212> DNA
<213> Glycine max

<223> Clone ID: 701042245H1

<400> 40774

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aggttgatct gaaatacgca attgacatgg cgagcgcgat ggtagaggac gcgaacttcg 120
aagatgacca actagccaat atgaccaccg acgacatcgt cagagcttct cgtcttctcg 180
acaacgagat tcgcatcctc aaggaagagt tgcagaggac caatttggaa ttggaatcgt 240
acaaggacaa gatcaaggag aatcaggaga ag 272

<210> 40775
<211> 195
<212> DNA
<213> Glycine max

<223> Clone ID: 701042960H1

<400> 40775

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ctatggcatt tgatgtagag tacgcacgat ggtagaaga gcataataga caaaccaatg 120
agctaagggc ctgcaataaa ttctcatgct ggagatattg aacttcgaac cattgttgac 180
aatttcatga cgcag 195

<210> 40776

<211> 274

<212> DNA

<213> Glycine max

<223> Clone ID: 701038060H1

<400> 40776

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gatgaatgtt caccagatg tcaactttga agaacttgct cgtccacag atgatttcaa 120
tgagagctcaa ctgaaggctg ttgtgttgag gctggcatgt tggctctacg ccgtgatgca 180
actgaggtga accatgagga ctttaatgaa ggtattattc aagtccaagc aaagaagaaa 240
gcaagcctca attattatgc ataggctgga tttt 274

<210> 40777

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 701038688H1

<400> 40777

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ttcgaatttg ggaattcatg ggtaggggaa ctccgggcgg catgaaccgg cagggcgacc 120
ggaagccgga cggcggcgac aagaaggaga agaagtcca gccggcgggc cgcagcac 180
gcgtggggcg gaaacagcgg aagcagaagg gccggaggc cgcggcgcgga ctgccgacgg 240
tgact 245

<210> 40778

<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 701042170H1

<400> 40778

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tgaggctgat gatagtcttc ctagtgttaca ggcagaagtt gaaaatttaa caatgaagga 120
gcgccagtta gatgaacaaa taaggagat gcaagacaga ctgagatc ttagtgaaga 180
tgaaaataat gacaagttgc tttctgttac tgaggaggat ataaagaatt tgccctgctt 240
ccagaatgaa acctta 256

<210> 40779
<211> 136
<212> DNA
<213> Glycine max

<223> Clone ID: 701038358H1

<400> 40779

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ttgatgaaga tggccggttc ggtagaact gggggaaagg gtaccatgag aagacagaag 120
aaggctgtcc acaaga 136

<210> 40780
<211> 185
<212> DNA
<213> Glycine max

<223> Clone ID: 701040773H1

<400> 40780

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tgactactc atggattatg atggtatgag aaaaccttcc aaaaacttat ttcactctcg 120
cttctccctt ttgggttcta ttgctgggat tgggagttct tgaccgctct cctccttttt 180
agttc 185

<210> 40781

<211> 236
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701043485H1

 <400> 40781

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 tgctggattg ggagttcttg accgctctcc tccttttttag ttcttcccct taatcttctt 180
 tcttcacaat ttttatttcc ttccttatta gacgtattag atcagattga acaaaa 236

<210> 40782
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 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701043135H1

 <400> 40782

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 tctttgccaa gacaaagaag aaaaatgggtg agggggaaaa ctcatgaagc gcatagaaaa 180
 tgagacgagt aggcaagtaa cgttctccaa gagaaggaaac gggttgctca agaaggcctt 240
 t 241

<210> 40783
 <211> 270
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701038095H1

 <400> 40783

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 agttcttaac cgctctctcc tttttagttg ttccccttaa tcttgttcct tcatattttt 180
 tttttttctt attagatcag attgaacaaa aggggttgctc tttatttttt aatcttgggg 240

gaataatagt attagaacta agaaaagatt

270

<210> 40784
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 701042603H1

<400> 40784

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aagatggaat tctgtatccc cttgagaaga gcttcttctt tctacctaaa cctcccactc 120
ttattcttca tgaagagatt gactatgtgg aattcgagcg gcatgctgct ggtggctcca 180
atatgcatta ttttgacctt cttatcagac taaaatctga acaagagcat ctcttccgta 240
atattcagag aaatgagtac cacaatttgt t 271

<210> 40785
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 701040606H1

<400> 40785

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gcgaagggtca ctggaactct gtcgctcgct acacaggcat gcaaagcatt aattatattc 180
atcatcttaa tcttagcttc tttcttactc acactcatca cgttttcaat cacagggtcta 240
aaacgaacgg gcaaaaagctg cagattaaga 270

<210> 40786
<211> 231
<212> DNA
<213> Glycine max

<223> Clone ID: 701038792H1

<400> 40786

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 aaagagagag agagagagag atgggtagag ctccttggtg tgacaaggca aatgtaaaga 180
 aaggaccatg gtcaccagaa gaagatgaaa cgctaaagga ttacatagag c 231

<210> 40787
 <211> 260
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038959H1
 <400> 40787

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<210> 40788
 <211> 271
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701041739H1
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<210> 40789
 <211> 273
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701037760H1

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 gaactgccac tccatcgttt agtccctttg aagaaaccaa cctcagttac ttggagacac 180
 cgtggaccaa aggaaagcgt tctaagcgta gcgcatggag cagcaactgc aacactcttc 240
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<210> 40790

<211> 293

<212> DNA

<213> Glycine 'max

<223> Clone ID: 701038122H1

<400> 40790

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 agcgttctaa gcgtagccgc atggagcagc aactgcaaca ctcttcatgc accgaggaag 240
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<210> 40791

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 701040129H1

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 tagccgcagc gagcagcaac tgcaaacctc ttcattgcacc gaggaagagt acctcgctct 240
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<210> 40792

<211> 273
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041906H1

<400> 40792

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 aagcacaac tcaagcgtct tgttcagtca ccaaactctt tcttcatgga tgttaagtgc 180
 cagggatgct tcaacataac aactgtgttt agccactctc aaactgttgt ggtgtgcgga 240
 aactgccaga ctgttttgtg ccaaccaaca ggg 273

<210> 40793
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038517H1

<400> 40793

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 ctgagttgga gaagagaaag cacaagctca agcgtcttgt gcagtcacca aactctttct 180
 tcatggatgt taagtgccag ggctgcttca acataacaac tgtgttttagc cactctcaga 240
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<210> 40794
 <211> 249
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 <213> Glycine max

<223> Clone ID: 701038681H1

<400> 40794

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 ttacagcctc agcggaaaaa tcatgcttcc agcaataatc cttcttttct tcgtcgtcgt 180

tttgatgttg tgccttcata tctacgcgcg ctggtacctc cggcgtgctc gccgccgcca 240
gctccggcg 249

<210> 40795
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 701042157H1

<400> 40795

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gctcagtggg cacagggtat tggagtgggt aaacaaccga tgggaagggtc aaagcctcct 180
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aactgcccaa ggtg 254

<210> 40796
<211> 173
<212> DNA
<213> Glycine max

<223> Clone ID: 701037531H1

<400> 40796

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cgctgggcca caacaacacc atgtctgatg acatattcca aatactatcg aacttcgatg 120
gaagattctc gagagagaat ctttctgaga agggcgcaga tgtggatccc aga 173

<210> 40797
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<212> DNA
<213> Glycine max

<223> Clone ID: 701041921H1

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agctgtacct caacgtggaa gctgagaacg cgattctgag ggctcaaata gaagaactga 180
gcaagagatt gaactctctg aacgaaatga taagtttgat taactccacc accaccacca 240
acaactgctt gatgttcgat gaggcacagg ag 272

<210> 40798
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<212> DNA
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<223> Clone ID: 701042734H1

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<223> Clone ID: 701040904H1

<400> 40799

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<211> 274

<212> DNA

<213> Glycine max

<223> Clone ID: 701041521H1

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agattccgag atgaactgca acctttcatc tgagaacaac acgggtcaaag gtaaaagaga 180
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<212> DNA

<213> Glycine max

<223> Clone ID: 701041243H1

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tgttcccaca cctccacatc actgaaatca tcatcaccag cttcttccgc cacaagtctt 180
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<212> DNA

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<223> Clone ID: 701042768H1

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<212> DNA

<213> Glycine max

<223> Clone ID: 701038758H1

<400> 40806

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agcttggtgg caatcacatt ccaagtcgcc ttaccctacc gaggaggata aggcaagggt 120

ggtgcaggaa actggattgc aattaaagca gattaataat tggtttatca atcaaaggaa 180

gaggaattgg cacagcaatc cttcaacttc aactgtcttg aagagcaaac gcaaaaggta 240

ttcccatcaa aactagtaat ttgtaa 266

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<223> Clone ID: 700966971H1

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 gccatggccg gcaccgggaa gttctttggt ggtggcaact ggaagtgtaa cggaacaaaa 240
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 tcgaccctaa cttcgcttat ccctctctcc acccaaacc tcacgcgcg tcctcgccat 180
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<223> Clone ID: 701039850H1

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 gatttgccaa gtggaggaca gttgttagca ttccatgtgg tccttctgca ttagctgtcc 240
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<210> 40814
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<223> Clone ID: 701037190H1

002230-03200

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accccaggaa agggatatcct tgcggctgac gagtcaacag ggacaattgg gaagcgtttg 180
gcgagcatca acgtggagaa tgttgaaaca aacaggcgca ttcttcgtga gctcctattc 240
actgcccctg gttgtcttga gcg 263

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<223> Clone ID: 701042664H1

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caccacagga aacggatatcc ttgcggctga cgagtcaaca gggacaattg ggaagcgttt 180
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atatctcagt ggtgtcatcc tctttgagga aactctctac cagagcacag ctgcaggcaa 180
gccctttgtg gaagtcttga aggaggctgg tgttcttctt ggcataagg ttgacaaggg 240
cacagttgag cttgctggca ctaatggaga aac 273

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<223> Clone ID: 701038194H1

<400> 40817

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 tggaaagggg attcttgctg ctgatgagtc aacagggaca attggcaagc gtttggccag 180
 catcagtgtg gagaacattg aatccaacag gcgagctctt agggagctgc ttttcaactgc 240
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<223> Clone ID: 701042141H1

<400> 40818

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<223> Clone ID: 701038320H1

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 cccaggggaag ggtatccttg ctgctgatga gtcaactggc acaattggca agcgattggc 180
 cagcattaat gtcgagaatg ttgaagcaaa taggcgtgct ctctgtgaac tcctattcac 240
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 aacgaactca tttctctcat ctccaggtat gtggctcagg ggaaagggat ttgcaaccc 240
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<223> Clone ID: 701037284H1

<400> 40826

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<223> Clone ID: 701042523H1

<400> 40827

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<223> Clone ID: 701039647H1

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<223> Clone ID: 701041987H1

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ggtcagtgat gcggacttga gttcctcaca ggaagtgaaca agattgatga tgaatctgct 240
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<212> DNA

<213> Glycine max

<223> Clone ID: 701038169H1

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<223> Clone ID: 701038338H1

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<210> 40832
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 <213> Glycine max

<223> Clone ID: 701039454H1

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<223> Clone ID: 701043539H1

<400> 40833

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<212> DNA
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<223> Clone ID: 701040204H1

<400> 40834

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<212> DNA
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<223> Clone ID: 701042078H1

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<210> 40836
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 701041607H1

<400> 40836

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cagggttgat aactacaatt tccctctcga tgcattgttg gttcgatcag gttgttcaca 240
gaatcctgtt tactggatta gatgatttaa a 271

<210> 40837
<211> 245
<212> DNA
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<223> Clone ID: 701038703H1

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caaaacatca accccaaggt tctgaaatgt gagtatgctg ttagaggaga ggttgtcaca 180
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<210> 40838
<211> 284
<212> DNA
<213> Glycine max

<223> Clone ID: 701037102H1

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accatggtga aagcatttag ggagcgaagg gatttcttag tacaaagttt tagagaaata 240
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<210> 40839
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<212> DNA
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00220"STT550

<223> Clone ID: 701039262H1

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tttcacaaag gaccaattc cttctctagt tcaaggtcta gaggtcggat ctctatggct 240
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<210> 40840

<211> 189

<212> DNA

<213> Glycine max

<223> Clone ID: 701038869H1

<400> 40840

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caagcatecc ttaagagttg tgccattggt tgagaagcta gctgatctag aggctgctcc 180
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<210> 40841

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 701042717H1

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aagaagtcac tgagaaaaat gttaacaatc tcaatatgct gcaagagatg tacaatcaat 180
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040960H1

<400> 40842

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 tacaacgtga atgccacatc aagcatccct taagagtgtg gccattgttt gagaagctag 180
 ctgatctaga ggctgctcct gctgctttgg cacggttggt ctcgatagac tggtagataa 240
 ataggatcaa tgggaagcaa gaagtg 266

<210> 40843
 <211> 277
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038039H1

<400> 40843

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 aggcaattgg ctcttgccaa agtgagttag gatgacaaac tgattgagta tgatgctctt 180
 ctgctggatc gggttccttg tacccttcaa gatttacatg gggaggatct gaaggcaaca 240
 gttcaagaag tgtatgaact ttcagctgag tatgaag 277

<210> 40844
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041573H1

<400> 40844

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 aacatggcat gcaccccccg atttctccaa aaccagaatg gcgtgctttg atggatcaga 180

tggtgtcat tgctactgag gaataccggt ccattgtatt caaggaacca cgctttgttg 240
 agtatttccg cctggctaca ccgga 265

<210> 40845
 <211> 237
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043122H1

<400> 40845

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 attgatgcac agcttaggca attggctcct gccaaagtga gtgaggatga caaactgatt 180
 gagtatgatg ctcttctgct ggatcggttc cttgatatcc ttcaagattt acatggg 237

<210> 40846
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043454H1

<400> 40846

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 cgattgatgc tcagcttcgg ctggttggttc cggccaaagt gagtgaggat gacaaactgg 120
 ttgagtatgt gctttgcttt tggatcggtt cttgatatt cttcaggatt tacatgggga 180
 ggatctgaaa gaaacgggtc aagaggtgta tgagctttct gctgagtatg aaggtaagca 240
 t 241

<210> 40847
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040171H1

<400> 40847

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atcgaccctc caatcccaga tcaatggatt cttccttcac aaaacctctc tttcccatac 120
 tccttccttc actttctcca ggaggaaaat ttcaaccaca gtgaaggcta catctcgagt 180
 cgacaagttt tcaaaaagcg atatcattgt ctctccgtcc attctttctg caaacttttc 240
 aaaattggga gagcaggtg 259

<210> 40848
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043561H1

<400> 40848

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 cacggcgagg ctggagaagg aagcctcata tgatgggatt aaaaatgcta tcaaggaggc 120
 atcagacggc aagttgaacg gaattcttgg ttacactgaa gatgatgtgg tctccaccga 180
 cttagtgtgt gataacagat caagtatttt tgatgcaaag gctggaatcg cattgaataa 240
 gaattttgtg 250

<210> 40849
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043647H1

<400> 40849

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 gtcaagatcg gaatcaacgg atttgaaga attggccgtt tggtagccag agtggctctg 120
 cagagagacg atgttgaact cgttgccgtt aacgaccctt tcatcaccac cgattacatg 180
 acatacatgt ttaaatacga cagtgttcat ggacactgga agcatcacga tgtccccgtt 240
 aaggacgag 249

<210> 40850
 <211> 229
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043292H1

<400> 40850

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gaattggccg tttggtggcc aggggtggctc tgcagagaga cgatgttgaa ctcgttgccg 120
ttaacgatcc tttcattacc accgattaca tgacatacat gtttaaatac gacagtgttc 180
acggggcactg gaagcatcac gatgtcaccg ttaaggatga gaagaccct 229

<210> 40851

<211> 269

<212> DNA

<213> Glycine max

<223> Clone ID: 701041622H1

<400> 40851

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atTTTTgatg caaaggctgg aattgcattg aataagaact ttgtgaagct tgtttcttgg 120
tacgacaacg agtggggata cagctcacgt gtcattgac ttctgtatt cgttgccaaag 180
aagtctcttt aagggtgttac ttcaaagtat cttgtcttca cattattacc gtatgtttat 240
gtttagctgc gatttagtgt cttgctcga 269

<210> 40852

<211> 275

<212> DNA

<213> Glycine max

<223> Clone ID: 701037342H1

<400> 40852

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ttggccgttt ggtggccagg gtggctctgc agagagacga tgttgaactc gttgccgtta 120
acgatccttt cattaccacc gattacatga catacatgtt taaatacgac agtggttcacg 180
ggcactggaa gcatcacgat gtcaccgtta aggatgagaa gacccttctc ttcggtgaca 240
agccagtcac tgtttttggga cacagaaccc tgaag 275

<210> 40853

<211> 278
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037105H1

<400> 40853

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 gaaggttatt atttctgccc ccagtaagga tgcccccattg tttgttggtg gtgttaacga 120
 gcacgagtac aagccagagc ttgatattat ttccaatgct agctgcacaa ccaactgcct 180
 tgctccactt gctaaggta ttaatgacag gtttggcatt gttgagggtt tgatgaccat 240
 gttcattcca tcaactgccac ccagaagact gttgatgg 278

<210> 40854
 <211> 239
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043160H1

<400> 40854

ctctctaata acattttctaa tctcattctc cttctgttca aacactctct ctcattggcat 60
 cagataagaa gattaggatc ggcatcaacg ggtttggaag gattggccgt ttggtggcca 120
 gggttgccct tcaaaggaat gatgttgaac ttgttgctgt caacgatcct ttcattacca 180
 ctgattacat gacatacatg ttcaagtacg acaccgttca tggccagtgg aagcatttt 239

<210> 40855
 <211> 234
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039360H1

<400> 40855

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 aatgtttctt tgcttggtgg aggaatgatc ttacctttt acaaggctca gggttattca 120
 gttgggtctc tcttgtggag gaagacaagc ttagccttgc aactacactt cttgaaatgg 180
 ccaaggctaa aggggtttct ttgttgcttc caactgatgt tgtcatagca gaca 234

0953113.032200

<210> 40856
<211> 189
<212> DNA
<213> Glycine max

<223> Clone ID: 701043044H1

<400> 40856

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aacaggagcg tgggaacggt gacaggaggg tgatttgaag gggaagaggg tattcgtgag 120
ggtcgatctg aacgtgcctt tggatgacaa ccttaacatc accgatgaca ctagagtccg 180
tgctgctgt 189

<210> 40857
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 701040938H1

<400> 40857

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actaagagga gcgtgggaac gttgaaggag ggtgatttga aggggaagag ggtattcgtg 120
agggtcgatc tgaacgtgcc tttggatgac aaccttaaca tcaccgatga cactagagtc 180
cgtgctgctg ttcccaccat caagtacttg actggttatg gtgctaaagt gatcctttct 240
agccatttgg gacgtccaaa aggtgtaaca c 271

<210> 40858
<211> 281
<212> DNA
<213> Glycine max

<223> Clone ID: 701041022H1

<400> 40858

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aataaatggc gactaagagg agcgtgggaa cgttgaagga gggtgatttg aagggaaga 120
gggtattcgt gagggtcgat ctgaacgtgc ctttggatga caaccttaac atcaccgatg 180

acactagagt ccgtgctgct gttcccaacca tcaagtactt gactgggttat ggtgctaaag 240
tgatcctttc tagccatttg ggacgtccaa aaggtgtaac a 281

<210> 40859
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 700966925H1

<400> 40859

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aataaatggc gactaagagg agcgtgggaa cgttgaagga ggtgatttg aaggggaaga 120
gggtattcgt gagggtcgat ctgaacgtgc ctttggatga caaccttaac atcaccgatg 180
acactagagt ccgtgctgct gttcccaacca tcaagtactt gactgggttat ggtgctaaag 240
tgatcctttc tagccattt 259

<210> 40860
<211> 264
<212> DNA
<213> Glycine max

<223> Clone ID: 701038580H1

<400> 40860

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ctaagaggag cgtgggaacg ttgaaggagg gtgatttgaa ggggaagagg gtattcgtga 120
gggtcgatct gaacgtgcct ttggatgaca accttaacat caccgatgac actagagtcc 180
gtgctgctgt tcccaccatc aagtacttga ctggttatgg tgctaaagtg atcctttcta 240
gccatttggg acgtccaaag gtgt 264

<210> 40861
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 701037523H1

<400> 40861

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 cgtgggaacg ttgaaggagg gtgatttgaa agggaagagg gtgttcgtga gggtcgatct 120
 gaacgtgcct ttggatgaca accttaacat caccgatgac actagagtcc gtgctgctgt 180
 tcccaccatc aagtacttaa ctggtcatgg agccaaagtg atcctttcta gccacttggg 240
 acgtcctaaa ggtgtaacac ctaaataca 269

<210> 40862
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700967038H1

<400> 40862

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 aactgtgatt gctgataatg atggtgataa tgttggggat atcgctggta tgggatctga 120
 tctttttggt tcatatgccg agtcactctg tgctgctctt gttgttgctt ccatctcttc 180
 ttttggggtg aatcatgagt tgactgctat gttataccct ctcattatca gttctgtggg 240
 tatecttgta tggt 254

<210> 40863
 <211> 284
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701036988H1

<400> 40863

aaacacacca attgcatttg cattaccatt cacaatggca atctctcca cttccaactc 60
 cctcattccc accaaatctc taatcccca atcccacccc ctcattccca acaccaggcc 120
 cgccctccgg cccaagcccg gcccatcccc ttccatcttc gccgttcacg ccgccgagcc 180
 cgccaaaaac cccgtcgtca ccgacaagcc caagcccca gccaacaac ctcccccgcc 240
 ctgggcccgg gcaacgaaat gggccgtgga cagctggaag tcaa 284

<210> 40864
 <211> 278
 <212> DNA

<213> Glycine max

<223> Clone ID: 701040351H1

<400> 40864

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 cttgcatttt cgggtctcct cggagatccg cggtggttcg gaattgtgcg aagtcaacgg 120
 cggggacaat atcgacgagt tggagcctgg acagctggag ggcgaagaag gcgcttcagc 180
 ttccggagta cccagatgcg aatgaattgg acctagtcct ccaaaccctc tcttcttttc 240
 cccaatcgt cttcgccggc gaggcgagga atctggag 278

<210> 40865

<211> 270

<212> DNA

<213> Glycine max

<223> Clone ID: 701037327H1

<400> 40865

catttctctc atcaaagttt caacctttga taagattgaa tcatggggaa cgccctgaga 60
 ttctctaca gccattgctg caagcccaca gcagctggtg attctgaatc acttggccca 120
 caggtgtttt cctctgccac cgttgggtgtt tcaacacttg cccatgatct ctttcacttt 180
 gacatcacct cccaggtccc ggaaggactc agcaagcatg ttgtgtcttc taagaaggct 240
 caggctaatt ggtatagaga gttagtagtg 270

<210> 40866

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 701042739H1

<400> 40866

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 ctaattggta tagaaagtta gtagatgctt ggaaagaggc aaaacctcct cctaagacac 120
 ctgaagaagc agctagactt gtcattcaga ccttgagaag acatcaaaaa gcagatgttg 180
 agggattgtt ggctttctat ggtcttcctc taccacacac actggttcaa ggaactaccc 240

aaccctttc atcc

254

<210> 40867
<211> 432
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910001a02d1

<400> 40867

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ccatgagata ctctgttaag ttctcagttg caaaaaaaag caagaaaaag cgcgtttgct 120
tttcggttat aacgtgtatt tacataacgt gccgattata tcttcacac aaaatggtca 180
acaacaattc cgagcatcat gtcattccact actcacactt agctgctgct ccctctccgt 240
aacactataa tttctcgagg gcaatttcgt cacaaaaaaa tgcgtagtag tgttcccaga 300
tgcttaaaaa agtagtacga aaaaaattgc ggaaaaccag atctccctgc atgaatcagg 360
caacctccgg gagaggaggc acgttcaggt caagatcaaa gagcacgcgg cggttgtaat 420
cggaatctga gt 432

<210> 40868
<211> 567
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmro02910001a03d1

<400> 40868

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agtcacatc acatcacaat tcacatgagt acaataattt gttcagccat cttaaaccatg 120
atcagtatct tccaaaaaca agtgaaacat ctctattggc atgggcacaa catccagacc 180
aggcaagcat cattgttttc ctgattccca aacaattctt aagatcaatc tattcagcac 240
ccaccataca aggtacaagt acatacaatc accatgtgac agaatatata tacctctcaa 300
ttaccaaaca tgtaccagac aatgtagact gcagcagagc ctaaaatatg ttaaatgatg 360
gtttgttggt agaatcaact gagaaagaaa catagcaaca ttgtatgtta aaaatgctct 420
aaaatcctat tacatcagag atgcactacg gttacaattt agtcatacaa aagctgagta 480

acaacaattg cctactccca tgatactgat aatgaaaata ggaaaagaaa agaaaaacan 540
agggaaatat accatcaaca tcattgt 567

<210> 40869
<211> 533
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmro02910001a04d1

<400> 40869

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ttctaacgca gattcaaaca tcttggtgaa tgcaaaaacc atgtttgacc catcctaaac 120
tcaagtcatg ccttcgaaac tgctcataat tatctgttgc atataaaaaa gtattacagt 180
ctaaattaaa aattttaacc aaccaaatat ctaggaagtc caacatcaag aagggctaca 240
ttattgatat ttaaatagca tcttgatatt agcctttgtc agccttgcta ccctcaattc 300
atgatgactt ggtagattcc ctaaccaaag ggttggttgg gtgcgtcagg ttgagatttt 360
tgaatctttt ggaggtgtgt tagcatactt ccatgaaaag tgatccaatc cattgtagta 420
tctaccacct gctacatcac caatgggaac cgcctcagaa atttctctca ggtctttttc 480
tgacagtttc actgctaagg cacctatgtn ttgatcagg ttcttaatct tag 533

<210> 40870
<211> 424
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910001a07d1

<400> 40870

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actagatata aatacacata tttcccagaa gatcgacaac ctaataatag atacatcata 120
catgcatcaa actagttgaa gaagcagtggt cttcaatttc atacttaatt cccacccaaa 180
ttaaagcact taatcttcca tgattgccaa attaattaag tagcccatgg tgccttcaa 240
aaaccttgtc atagtaattt ttcttttctt atttttgaaa gaagaagaaa aaaaaaaaaa 300

ggactaaaag ctttcacagc ctatctcatc ctccaagagc aactgggttac agttagccgg 360
 gggatgaaga tactcctcac aaacataatt acaagccaat ttccgagcat tgttggcgag 420
 ccta 424

<210> 40871
 <211> 455
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910001a09d1

<400> 40871

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 agtagaagcc ctcaattaca cagtagtcat gaggataaat ctctgatcca ctactgaaat 180
 tgtaatgcga acgccaaggt attttgacac ttgacaggca tattatgacc ggaattgata 240
 tggcatcaga catatTTTTTc cgtaatgatc cataatggaa agatTTTtgac tcatgacgat 300
 cctgattgca accacagttt aaaaacatga tagtagctaa cagaagatgg catagctcca 360
 tatgtgctat aatgaggaga catacaaatc ctcgtagaac aactttgtga aaagctgcat 420
 aagtgttcc tggaaaaata tgtaacaat aacac 455

<210> 40872
 <211> 433
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910001b01d1

<400> 40872

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 tgagaataca acagaaaagg cctacttagc ctgaattaca gaaaatatac aacaatcatt 120
 ataaaaaacc ctaaggcaat ccctcaacc cgaagaaggt agtaacttcc ctctccttt 180
 ttctattctt taagactaca tccatctgca ataataaagc ttgccccaca atattatggt 240
 agaaacctaa atatctagta gaggcaatgg agatgaaaag ataaatgatt caaagagaaa 300
 aaaaaagtag ttcaggTTTT atcagtaaatt tagcaagcaa agagaccatt acaatgacaa 360

tgaaggtgac attatctgca taaaattatc cttcccaaatt tcagaattcc ttgtccttaa 420
taagccgagc aag 433

<210> 40873
<211> 462
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910001b02d1

<400> 40873

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ataatacatg aaaaaagtat atataattat gactttccag aaaaaaaaa gatagttaaa 120
aataaaataa atactgaagt aaaaaatgta aatagtaaaa ttattttacc cacaatacat 180
gaaaattaaa ctctgaata tatacattgc acaaactaca cagatgttca tttatgttaa 240
caagatagaa tagaaataga cttgaagcag acaagattca tggcttcac aacttcattg 300
tgcagtcttc actaaaagtt gcaacaagat tcctatgggg atgatgagtg acacctataa 360
cttccttctc gtggaccttc attagatgct ccaatttgcc agatagatag ctgaagcagt 420
atatattcct atcttcacca acacagtaaa tccattctcc tt 462

<210> 40874
<211> 532
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910001b04d1

<400> 40874

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acaatgcata taaatatatt tatgttagta ataaaagtct atatttagtc cagagtgttg 120
tagaaacaaa ctattgacta taaacatgat tctaaatttc ggcagcaaag gatttaccac 180
atccacaagt ctgtgtcgcg ttaggattct tgaaagagaa gcctcccgca atcagagcat 240
cactgtaatc taattgcatg ccaaatatga agagtaggct cttaggatca caaacaattt 300
caaaccttc atactcaatg attgaatcat ctggcctttt attaaccctg tcttcaaaat 360
ccattgtgta tgacatacca gagcaccac cctgtttgac acctattctt aacataaat 420

cttgtgacaa aaaggtttta gttggatcct cctcttatcc agcgaccaga tcttggtttt 360
cccaaactag aatagtaatc acccacattt gccacaaata gtggatctct atcttctact 420
ttgcactctn tactgccacc atctgtcata atatctagct ctgtcttctc caactc 476

<210> 40877
<211> 361
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910001b12a1

<400> 40877

caacccaaac cccgaaaatt ccaaaatact tttaaaaaaa ggggaccaga cccacttta 60
gtctgaacaa caaaaaggct cctacacaac aatttttttg tacaaaaggc aaaatgttaa 120
aaatttcaa caaatttttt ttgttttaaa aaataaaaac ctatttatat ggataaaaat 180
aaccgtggca aaacaaggac ctaaaaattc aatgttggtg acacaactgt gacagggctt 240
acacttgac ctgagggagt ggctcgctct tatgcgaatc caatagggga aaggcccttt 300
ctaccttaat ttattgaacg agattttatt gatcactaaa ggaatgagcg aacgaatttt 360
c 361

<210> 40878
<211> 511
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910001c04d1

<400> 40878

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cgcacctttt ggttatgggc atattttatt gcaactattg aggttgagca ttactttacg 120
tggaacact attaggaatc cctctacatg taacgcggg tcgagaggta ggtgcaagta 180
actcgtaagg taaaaccctt gcgccacaac ggttcctgag tgatggatcg aggttccttc 240
tctcaatctc cttctctatc cgtctgatct ctgcggagaa gctacagaat gcctcagtga 300
tgtctgctc acctgaccaa atggatgagt gtcggcgctc tcccaaatac tcctcgctag 360
atgagtgggt agagagtatg tcaactatag acatatattt tgtagcctgt aacacgctgg 420

gcaacgcatt taggaaatac ttttggggat ctgctaagaa attggcatat tctgcctcat 480
cctctggaaa tgggattaat cttctcatta a 511

<210> 40879
<211> 508
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmro02910001c06d1

<400> 40879
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atggaacaat ttcagtgtta tacatatgca cattatatttc tcgaattaag attatcatca 120
caaattaatg tccccacaa cttattcatg ccagatttta gaacagcaat tcatatcaca 180
gctttgaagg cgactgatac cagccccacg gttcatcaga tatgtacttg gtcacttgct 240
tcacacttaa atagttctcg agtccccatt ctctagttc acgacaaaaa ccactacgtt 300
taacgcctcc ccatggagct tgaatgaagc ttggttgagc acaatttatc catacaattc 360
cagcctgaat agcctttgat atgcgctcgc atctttctag atcttttgac attacagcag 420
accctaagcc gtagtgtgtg tcatttgcta gttcaatagc ttcttcttcg gtactgaatg 480
ttntcacaca tagcacaggt ccaaaaac 508

<210> 40880
<211> 367
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910001c07d1

<400> 40880
ggggcataac gccacttttt tttaattatt caaaatgcc ctttcgtaca aataaatttt 60
gtacaccggc caaatgagc tgtacagtta gctgatcaaa ccaaacagta atttttttca 120
attgaagcac ttactgggtt tggaaaagat tttaacact cttagggggg ttcattcact 180
tccatgaatt ctttcgtggg agggaaggag tcaacattgg gagaggggaa ttgctagaat 240
ctacttttca aaacagcaac agttggtgca acataacaag cttcaactcc tcaatgggta 300

0953443.032200

tgattgccat taaaatgccc gggagaatca tcaacttctg tggtgaaaat gaaactgcta 360
aacaggg 367

<210> 40881
<211> 519
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910001c08d1

<400> 40881

gaatataaag atttttatgt acacatatat gtgagggtact aggggatttg cacatgtaaa 60
gaaaaggaat tccaacttca tagggagatg atcaacatac acttaciaat atctagacaa 120
ccagaataaa gtttttgatt gcttcctttt taatagggga aaaaaggaaa gaatattggt 180
gcaaattttg ttctccaagt gcctggtcta tatcttagcc aacgctcctt actaacgttc 240
gtccacaggt tcggaggcat gaaatgttaa aacacttgag taaattatga ttgctacgaa 300
attgcatag ctctgacacg atcagtcaga tccctaactt ggctccttaa tcgctcagga 360
ttgcagaaga aatcaacaaa aactcgcctt tgaagtccaa tttcttgttt atgatgtttc 420
acaatctcat tttcttttac atgctctagt gtcacctctt caacagcaac agacagcttt 480
gcgttaatct tttccatttc atcaagctct ttcattaat 519

<210> 40882
<211> 487
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910001c09d1

<400> 40882

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tataaattac cactgttgt acaaattgaa gttaatagt atacatgtgt gcctcgcatt 120
tgtctctatc gcccactcc cgtttgttt tttattgacc acagggtgag aagtaactag 180
gaatttttta cctcagtcac tatgtcatca tctgactgaa tcatatgttc tataaataaa 240
attatatgac ttaactcctc atagttcgtg cttcacatga ctgctctggc tttctttggc 300
atgacagctc cccttggaat cggattcaca agtagagggt ggtttatgga gcttgaatgg 360

gatcgatgca tgttttttga ggaacttgta taaggctacc actgtacgat ctggatcaac 420
 agtgataggg tcaaaactat tgtttactgc cggaagaag agaatagtgg ggaatccatc 480
 aggctta 487

<210> 40883
 <211> 464
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910001c10d1

<400> 40883

agtatgaagg aaatactctg ataaaacttg tttgtaagaa tatataaatg aagaaaaaca 60
 aaaataaaat gaattaaact tttgtaagat aaaattaact tatacatctt attttttgaa 120
 aaacttaata acagaacttg tataataaca tttgccatag tagcattagt gtgtgaagct 180
 gggggagaac ctctttatga tcaatcaatc atgatagata gagacataaa catcatcttg 240
 agctatatac catcaatctg catttgcaat gtgtggcgct gctctaatta attttcccga 300
 atatgagaga ccattgttgt tgatagctgg ttggtgcccc acgaacaaag ccacatgacc 360
 cataagcttg tcttttctag aaaacgaggt gccacacgag cacagccact tgagatcccc 420
 acagtgcctc tcatgtgtcc tcagatcaga gagcaccgag aact 464

<210> 40884
 <211> 453
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910001c11d1

<400> 40884

gaaagcagta ccacacaggg gttccgtgat atataatgaa agtaaaggaa aattacaaga 60
 gttgcatcat gcatgtgact tttttatattt atttcatttc attaaactgc tatgggaccc 120
 cgtattcttt ttttctctct ctctctctct catcttcaat ttacacttta cacataaatt 180
 tatgagcgca aaaacatgtc caccactat agctatgctt ttgctttgct ggcccatgtg 240
 aactgggggtt tcttaggaga aattaacgat ctctgatccc agttcatggc ggccggaatg 300
 tgaccacag ctccaatgat ctgcttttaa cctggcccat gatcagaaag tgtgtcatat 360

aggaaccttg ggctattgct tatgcttctg cttttgcacc accatgcttt tagaggggtg 420
 attcattatt aacaaaatgg attttatagg gcc 453

<210> 40885
 <211> 359
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910001c12a1
 <400> 40885

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 atatacaagc attcagttga catgcatata tatagtagtg caatataacg aacaaacatc 120
 atatccatgc attctatcac aaacaaggaa cactaagaag catatatatc attattacac 180
 atccggcatt ccaaagttta ctaaagtgatg cttttattta gataataagg attaaaactc 240
 tagccaaacc cacttcatca ccaatcacac actctttttt tttcttgcta tgccttgaca 300
 agatgatcat caatatcttt agtgacctta gcagcaaagt ccaaaaaaga atcaggaga 359

<210> 40886
 <211> 514
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910001c12d1
 <400> 40886

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 gcaatcgctg aacaatgtta ttttaacaaa ggatcgacca caaataaaaa caaccact 120
 ccaatcatca taccacgctc cagcaaaata cattcaaaag ctatctaaaa atttgaggaa 180
 cccacagtgg cgcattagaa accatgacca tagaatttat gagagaaata ttatgggcac 240
 cgtgcctctc caacaatccc caaacgcttg cttaggettc agcaaacca agctcagaaa 300
 gcttttggtg agcctcagcg taatcagcga agaaggcatc ttcgtccgat gcatatttct 360
 caacaagagg gcggaacaca gggtcagaca aaagtgcctt gtcagaaggt agctgaagga 420
 ggccttcttt ctcaccactc aacaactcct tgaagtatga gttgtcgaaa ataagaggat 480
 tagagggtcca gggaccctcg aatccagaaa cgct 514

<210> 40887
 <211> 369
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910001d01d1

<400> 40887

gtgtacaagt gcaataaaat ttcacaaaa aacacataac caacccccat aaacatcatg 60
 tttttatttt tctccccctc ccccccatcc ccaaacatcc tgatagcaca caaaaaaaaa 120
 caagccccct ccccccttc ctcccccttt caaaaattta tttaaaacaa aaaaaacaaa 180
 aaaaaattcc tctttctttt ttaacaaaaa ctaagcctat caacccaat gttacttttc 240
 aattttccac tctctcttcc aactcccaa tatattttca actaccctc gttaacctac 300
 acacacctcc ccttttgcaa tgttttttta tcaaaaatcc aaccatcact ctgactctaa 360
 cttttcttt 369

<210> 40888
 <211> 435
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910001d02d1

<400> 40888

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 aataatggac caagcaatct gaagtctgaa caaagttcag agtcaacatc aacatctaga 120
 tataaaagta gtggcatgaa attaaaggca ctctgtttta tttcagcat agactatatt 180
 gcggcttaga aagagatgag atcatcttcc gatgacggct gcttctttgt ctctgtgtccc 240
 ccatctgatg cttccccacc tttcttccca aaaatcatct catcgagatc atccatcatg 300
 tcatcattgc tccctccctc gacaccagtc cttgatccag ctggctttcg aatcaaagca 360
 tcttctttac tatgataggg tgactcgtct ggttcaacag caacaggtat catagctggc 420
 tcaggatgaa gtgga 435

<210> 40889
 <211> 357
 <212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910001d05d1

<400> 40889

agcgataaca cactatatca taagcaaacc gggggcattt tgagacgcta ttgccattgc 60
acaggcaaatt attcctcata ctctgtgaac atgtcaatct tagagttcag aaccacatat 120
atctggagac cactagcgat aattcctgat tgagctatcc tgatacaaat tatttttttag 180
gtgagacttc actaaatgga acaactgata ttagtgaatg tgaccatgac cgtgatagat 240
ctgtgatatg gactaggttt aacttgacat tggttgctat tagcataaat gacagtcacc 300
tggtctgactt atgttgagga tgaatctaag gccgtcgtat cttgtgtcgg acttgtg 357

<210> 40890

<211> 504

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910001d06d1

<400> 40890

gcaataacaa tacaaactat ttcattcattt caggcctcct aattaagcag ctacgctgtt 60
tacttatgga cagctacaaa ctaatttaac taccacacca gtacctcaaa taaacacaac 120
caaaagtaac tcagcataag agctcataca atcataaatg agtgcaagaa acctcaaaca 180
atctttggca tttttcaatg caaaacacta aactacagct gacttaaagg cattaagtaa 240
atgtgtaata atcataaggg gcatgctact ttccgacctt attgaattgc atggatcatca 300
tgagtctgtt tggtgatgtt ggggtggctg ctgttgctgg ggttgtgtat ggggccatgg 360
catgaacgcc atgggagggtc gaggtgctg tgtataatac agcgttgctt gctcagcacc 420
aacgggcttg cccatgatca tcccaggagg tcctacaaca ggatgctgtg gagggacata 480
gtaatatggc atatcagctg gaga 504

<210> 40891

<211> 531

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910001d07d1

<400> 40891

aaatgaaaaa taagtctcgg ttactttgtg ttatgatgaa cgatagctct tctcaaaatc 60
 tcaaacatac ttgaatcact acagctggta gctttaagat cttaacaggt aaaaggcgga 120
 atcaatctgc ttgaggagca gtgcatttgt caacatctct atgaagcata ttgtcagag 180
 ttcaccatcc caaagctctt caacggtctt aaaggcacca taggtctcgt caacaaaaaa 240
 agtgccctta attagtctat cctgcttaat ttcagagaac ttatccatca cttcttctgg 300
 aatagaccag tcaaacacat caaagtttcc cttgattctg gactcattag tgctcttagg 360
 cagcacacta tgacctgttt gcagtcacca cctaagggca acttgtgccg gtgtcttccc 420
 caatttctct gcaatctcta tcacaacagg attcttaaga atgtcacttt tgagaactcc 480
 tggtgagccc agtggagaat atccagacag atgaactcct ttagattcac a 531

<210> 40892

<211> 424

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910001d08d1

<400> 40892

ggaaaatatt gtaaatacat taattatgaa ggaaaatgtg tacacaagaa aaccaaatga 60
 ctcagaaata tgtataaata tatgaagttt caaattacaa aacatgctca aattacaaga 120
 gatggattgc acatattaac ctcaaaagtt tgtataaaag tgtgtgtgct ggaactcaaa 180
 cattgactgt agttcctgta caaaaaaaaa atactataaa aaatactcac tgttcaacat 240
 gaaatcctca cgataaacca aaaaactttc cacgtggggt agatcggtc cttctaaatt 300
 caagcgtgga tgcattgggt cttcttttaa gattgctacc cgaaccattc acgactttgt 360
 tttcaacttt gctaaccaat aaaggctctc ctgtttgcac tattcctatt gattcaagg 420
 tctg 424

<210> 40893

<211> 453

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910001d09d1

<400> 40893

gatgggtagg aattttttta ttttctttga tatattgaaa aggcagaaaag aaacacaaat 60
 tttagtgttt aataaagcaa aatgcacaca tccccaaaac aaaacaagcc ttattcaacc 120
 cacattgggtt tcatatcaca gaaaccaaca ggatgccgcc ttccttctta ctggtccac 180
 ccactcgaac aaaagttcta cagaaataaa aatggctaca attcttctac cacaaatctg 240
 aaaagtctaa caccaaaaat caaaataagg aaaattaaac aatcaaattcc gattgataaa 300
 accgattttt gtctttccct cactcacttt tcaggtgatc atctcaatca cttactacct 360
 gtagtgagca ggcttgtatg gaccctcaac aggcacactg atgtaatcag cctgtgactt 420
 gctaagctgg gtcagcttag ctacaagttt gcc 453

<210> 40894

<211> 520

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910001d10d1

<400> 40894

catattaaag ggcatatgta ttgagaaaac ctccaaaatg gcaaattgaa catacacagc 60
 tcagaacagt tctctcttaa ttacttgtca ctcccatatt ataattccta aagcagtaac 120
 tagtaatttg acaatgctac aaagatgaaa ttatagggtt gaaaatgaag atctcgtcat 180
 tagggtgatg ccgggagtgg ttcagtacca gaaacatggg aagcagcatc ttcttttgat 240
 atggccacat aattcaccgg agcagatagt cggttatccc tttttccatc ttttgatgtg 300
 gacctgtttc catttttatg agcattaagc gatagccgtc ggtaggagt accattggct 360
 cctccgtag cagcaggacc tctgactta ctggaactaa ctggcctagc agggctgggt 420
 cttgaaccaa agatggttta ttgttccgct tttcgctgct cgtgatgctt tttctgatcc 480
 ctcagtctac gttgttgctc ttcccggtca tgtgtgagca 520

<210> 40895

<211> 477

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910001d11d1

<400> 40895

ccataattat tattatttaa aaatccaaaa tattcttata atcacataat attagttcac 60
 aaaataatta aagaaaattc aaatcaactc tatgtaagta aattacgaac tccgaccatc 120
 attatttatac gaacaagggtg aagtccaata atgtccaatt ggggaggcaa caactcattt 180
 ttcttttcagg gaattctcaa catctattac aaaccggtac ttgacgtccc tatttatgag 240
 cctctcaaga gcttcattgg cgtactcgat tggaatcacc tctatatttg ggtgaatctc 300
 gtttgcagca cagaagccaa tcctctcctg tatatctttt gtaccacctg taacactgcc 360
 ggcaacagtc tttgatccta tattaaggct ggcagggata aatttgactt gactagggaa 420
 accaactagg acaaaaacac catatgtctt cagcagtgac atggtaggat caaacga 477

<210> 40896

<211> 431

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910001d12a1

<400> 40896

gccacataat aataatatgg ttcattgact ttagcaaaca aacaaaataa attagcaaaa 60
 gataagagcg gggcaatgca acaaaaaacc gttacacgca acgggaaatt gcaattcgaa 120
 ccccgaaagga gaaaaacaat aataatggtg gtaaataatc ttaagagcaa aaagagaaat 180
 gctgctgtgg atgacataac agagagtcaa tcggcgctgg tcattttaag ccgtctgatt 240
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 gactgtgatg atgaaaggtt agaagttgac ggtggtgata atgacacgac agaggtgtct 360
 tgctcttcca gctttctttt gttgtttatc tgcagaacac caccatcacc accgttaaca 420
 tagccatcac t 431

<210> 40897

<211> 333

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910001e01d1

<400> 40897

ctaattaata aactttattc acgggggtatt gtgggatttt taagccctga tacctacata 60
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 aaaaccatgg gccgtacaca acctaccgct ggaggtattg caccacagga ctaaggacga 180
 tgaacaggac aaactacaag agccagggtca cacacaaaat ccacttatgt aatgaactaa 240
 ttactgctac cgctaacatg agatactaag cctgaacgtg ggacatgtga acaggtttgt 300
 aaacgacata tggaggatga ggccccaccaa tct 333

<210> 40898
 <211> 476
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910001e02d1

<400> 40898

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 gaatccaatt tgccactgggt taatcttttt actctttttt ttcttcttct tctcttctat 180
 ctatgtctct gttcattata tgtagtagga tggcgaattg ccagtgtata catacactca 240
 ggactactag tatcacactg caaactctgt acaaaaaggc aaaccaagat caaaagctgg 300
 attggagaaa aacaaacca gaataatatc aaaacaaacc aaagaatgac aactaagca 360
 gtaagcacac tatttttttcg gtgcagggtat caagaaagggt aaccctttga ggaggagggc 420
 cagaaaagga cactgttaga tgtgttgatg atcctcagaa tgtaccatta cattct 476

<210> 40899
 <211> 458
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910001e03d1

<400> 40899

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 agcctggcct caaattcatc acgggaatag cccttagaca cttgacgagc ctttggaatc 180

cgtttcactt caaagatggt atcactgttc atagcaccta cgttccctga cagcttcaac 240
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 catctaagcc ttggaactgc tctgatectc caatacctac gtggccctct caagcggatg 360
 atcgccatct tccttctaac gacggtggcg ccgccgtgga gacgccggtg gcgccgcctt 420
 ctcaagtaac ttttgatgcc accgtacatt gacttggg 458

<210> 40900
 <211> 338
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910001e05d1

<400> 40900
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 gtgcacaagt tcaggcaata attacgcata gacatgcata aagtctatgt tattcagaag 120
 tacaacatag ataaggaaac cacaaactct ttttaattag atagagatac tgttggaat 180
 tcctttgaaa gtcaaccctt cctcacttga acgatggagc aaagtgtatg gcagctgaac 240
 tggcccagtc cggtttctca gacttggatc actgttcctt gcattgattt ttccttcaat 300
 tccagtcaga ttgctttcaa accttttgaa agcttcta 338

<210> 40901
 <211> 404
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910001e07d1

<400> 40901
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 aatcaagatt caaatcatgc aaaagaaaaa agtaaaaagg cttttttttt ttggcctcct 120
 tttttctctc tctctggctc tgatcgagcg cttaatcaca aaattaaaat catcagggac 180
 atattattta tagaactcaa gtaagacaaa ctccaaatga gaaacaaaaa gccgggtcct 240
 ccatttgttt atccaactct tcctcctcag tttactcaac agcaaggggc acagactggg 300
 gcaatttggg gtacttgaga gcatagaaca tctcgagata gcggcggctc tcacggcggt 360

caaggttaga cacatgcttc cagaagccat agacacccgt ggga

404

<210> 40902
<211> 519
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910001e08d1

<400> 40902

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cttacatgtc gacacaattc ctaacatagc taatggatct tcattcttca ccagttgag 180
atcatttttc ttatttttag gtacctatga tctcattttt tcctagtgat caatggcagt 240
caaattcaac aatccaaga acagataata gtcaccacac gtgcagacca aagccggcat 300
gagtagtagt taggtacagt agtatagtag gtacgcttga atgtgatttt tttgttgttt 360
ttttttttta cgaattttta aaataaatgt gagaccgta tttccttctt ggggtcccat 420
tgaccctaaa aaaatcaaaa tgtctttggg aggtacgtga acatttcttg ccacggtgag 480
agatggttga tttggtattg aacctgaggg gcaaaagcg 519

<210> 40903
<211> 291
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910001e09d1

<400> 40903

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cggtggtggt ttctttcttt ctgcaaaaat tgtgacacct gttcctctta cgtatgcaca 120
tgattttttt tctttccgtt gccttccctt gaaatttttc ccaatggggg gctgttactt 180
ttttttctca tcataaagaa gactaacgag aaatttccaa tccctctccc aatgatgata 240
ttgaaaactt acggggggaa acattctttc tatccatgga acaatacctg a 291

<210> 40904
<211> 541
<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910001e10d1

<400> 40904

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ttaacaagtt catcattcaa cagaaacaaa catgacaggt aaacaggatt gcaagggaaa 180
ataaaccact ttgtgccctc atttaaggag agtcttcaca attgatttga cattgagctt 240
cttgagggtca gtataagact gtccacagcc cacaacatg acaggagctc cagatatgta 300
aaccattgaa agtgcagctc ccaccttacc atctatgggtg tcaaatttcg tgagcaagat 360
cccatcaatc aatcttggat taggtgatgt tgcaagggtc gctaatttct gattgaactt 420
tgaaagctga tcaacagcgt cattaccaac cagtgtctct ccaacaaata agactagatc 480
tggattgtta aggtagatga gttttgacag tgctctcata agtgggttcat taccctgcat 540
a 541

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<210> 40905

<211> 512

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910001e11d1

<400> 40905

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gataacaatc agtagtaaca ttaatgggac aatagagttc aacacaaacc aaacttattt 60
tcaaagggtc ttacagaccc attacacatc acatttcttc ttaaaatggt tgggaaaatc 120
caacatcgaa catcacacag aaatcagctc cagcttaaaa cccccacga agacgcaaca 180
ccaagtgcag agttgactcc ttctggatgt tgtagtcagc gagggtcctt ccacctctta 240
gctgtttgcc agcaaaaata agcctctgct ggtccgggtg gattccttcc ttgtcctgga 300
tcttcgcctt cacattgtca atgggtgtcg agctctccac ctgagggta atagtcttac 360
ccgtaagggt cttgacgaag atctgcatac caccacgaag acgcaacacc aagtggagag 420
ttgactcctt ctggatgttg tagtcagcaa gggtagctcc gtcctcgagc tgcttgccgg 480
cgaagatcag cctctgctgg tctgggggga ta 512

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<210> 40906
 <211> 520
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910001e12d1

<400> 40906

ccataattat tattatttaa aaatccaaaa tattcttata atcacataat attagttcac 60
 aaaataatta aagaaaattc aaatcaactc tatgtaagta aattacgaac tccgaccatc 120
 attattttatc gaacaagggtg aagtccaata atgtccaatt tgggaggcaa caactcattt 180
 ttcttttcagg gaattctcaa catctattac aaaccggtac ttgacgtccc tatttatgag 240
 cctctcaaga gcttcattgg catactcgat tggaatcacc tctatatttg ggtgaatctc 300
 gtttgcagca cagaagccaa tcatctcctg tatatctttt gtaccacctg taacacttcc 360
 ggcaacagtc tttgatccta tattaaggct tgcagggata aatttgactt gactagggaa 420
 accaactagg acaaaaacac catatgtctt cagcagtgac atgtaaggat caaacgagtg 480
 atcaccagat gctgtgtcga ttataaagtc caacgattta 520

<210> 40907
 <211> 341
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910001f02d1

<400> 40907

gggaggcaag cataaagctt gttttcatga aagtggcccc ccccaaaaac aatcaaaactc 60
 cctgggggggt tgggaaacta tttatccact tcctttttta aaaacattca catgctcaaa 120
 ttaacccttg cctaaaagaa aaaatcccc ggggggggac aacaaaacca aagggggcaa 180
 aggggttttg ctaaaggtaa gggaacaccc tacctttttg cttccatttg aagttaccag 240
 ccaactgaat acaacaaatc cctcagacca taaaccttag tacagaaaat gtttactatg 300
 gaagccctcg gtttgggcgg gatcgattcc caccataatt a 341

<210> 40908
 <211> 504
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmro02910001f06d1

<400> 40908

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gacttatata attgatcaat tccatgtgat tatcattgac acagattcat gtgcatcaac   60
atggtgggca acccataacc cacaatattt tatggttgaa tgtcaatttc aataataagt  120
ataaacaaca aatgaaaaaa caaaataactt gcaaaataat aataccactt gcaagcttca  180
tatcacatgg agatggagcc aaccaagaa gcattattat cattatacaa accacaaagc  240
tccataacgg gcatcccaa cacctcatcc accacacggg catgccacgt gtccctcatg  300
gcttcattca accgttggat gaacccttc ttgaatttct cacaataatg caacaaacgt  360
gccacatggc tagggtcctt atnctnccac caccaaccgn caccaccctc cctacattgt  420
ggcatctcac cgccaccgga gaccatacca cggcggaatc cagccatctc cgccacatac  480
tcgccatgc catcaacaag ccct                                           504

```

<210> 40909

<211> 449

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910001f07d1

<400> 40909

```

gattgcatcc attacatgtt tattcaattt aggggtggcca gataggattg agaaatccgt   60
acacagaaca tttaacaaca tagcgggggag gaacataatg taattccacc agaagttgat  120
aatgctatgt catcatagct ttattcagca aacaacacgc ataccactca atacaattac  180
aacgatgtct gaggatgttc ataaatataa acgttaagtg tgacatacac ataataaaaa  240
tgttcaaggg tagacctcaa tcagagatct aaaaccaaag atgggaaata ttttggagtg  300
tttgaatcct gcttcgatga agagatgtgt ccattcctct tccggcctct ctctggcata  360
catcggaac ataataatgt gcaaactaag ctttgtatgc gtcatatccg ggtcatgtag  420
cttctcattt atgacggtat ctatgataa                                           449

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<210> 40910

<211> 473

<212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910001f09d1
 <400> 40910

gttcataata tataagagtt tacattaatg gccactcaaa agaagacact caggggaaag 60
 taaaatctta aaccttcagc ctgtatacta agatgaaaaa ccctaaacag caacttaaaa 120
 gccaccaaag cccaaatatt tggcatgata aagtgaagat ttggccaata ttgaccaa 180
 gaggtaaacc aatgggtggct gcaaccgcca caccatagca caaccgcact aggaaatata 240
 aaacgctgtt agactcaaaa ttgttttcat gctggagaca agtccctatc taaaagacct 300
 atccactcac taactgtaca agcaaccgag gacaagaaga atgcccttgg atatagttat 360
 accacgatta ttagcatgag ccaaacactt gatatgaggg ctaacaacta ccatccacat 420
 acacccatt gccattggtg tatataccat ttaaggaacc attggatgaa ttg 473

<210> 40911
 <211> 437
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910001f11d1
 <400> 40911

aaacaagata attttgcatt ttttttcgct tgctgttttg ttaaaatctg aagttaacta 60
 actaaccagc ttaacaacct caagagtctg aaatttagtc catgaccac gtcttctaga 120
 acatatataa catgctacct tattaatgat acacatttta caaatgttgc accataaaca 180
 aaatcacgcc ttgtcagaaa agaagaaaga taagatgtat gcaacgaccc gtggaggttg 240
 gagaaactca ggtagagca gaggcctctt cgaatcaacg gccgtcggag gcaagatagg 300
 cgcggcggaa gacgacgacg acaaccccggt tacttcaaca tgattgtttg gtaccctagg 360
 cgatctaata gacaacgccc ttgcggaaaa gggcgccgcc ctcgaaaaaa tacaccggtc 420
 cgatttttaa ctacggt 437

<210> 40912
 <211> 511
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910001f12a1

<400> 40912

gacttaaatg gagaaaaact tcccagggga tttgtgattg aagagtgtct accaaactca 60
 aacgtattgt atttctataa caatgttggt acaacttaaa aaacttcaag taataacacc 120
 catttccaaa tacgtttatt gtaaataaaa tacagcctcg tggctctattc tatacaccta 180
 tttgttctaa tgtacaatgt tggtgataga gaggcacat ttattgcaca acaaacaaat 240
 aatcacaaaa gattcttcac cctgaagact atcgaaaaga tagcgtgctt ggtgagtcaa 300
 tcctcacaat aatatcttct tcttcagcac cagaatcatc acttgaatta tctccatggt 360
 gatgctgtct tcgttctgtg ctttgtgaag gtggatttgt aacatgtctt gtgacctcat 420
 ggaccttctt ggcagttgca gctccttctg atttgactga aacaagagga cgaccttgat 480
 gtgacacaat gggtggatag gacaagctat g 511

<210> 40913

<211> 500

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910001g01d1

<400> 40913

gttctaacag ccttgatcaa tctattgata gttacaacgt aacagaaaat tatctattta 60
 tgcagtcact gtatacaaca caaccaagca tggtacagcg cttctccaat agaccagtga 120
 acctttgtga gtgatgtttc caagtagtag ctagttccac agtaggaatc atgggttagca 180
 gcattatcag aggaagcttc aaacacttca tcatgagaat aaaaccacct atttcgatac 240
 tgtttatctt tgctgctgcc tcttttagag taactgacct tctggccctt ctttccattt 300
 ttcttttcac tcttcttgat cctgggtttt tgctgtttct tgtttttaac agtatgtgat 360
 aacaatgtag gtaccggatc atatacatca ggggccact tcaactgtcaa tttcattcgt 420
 gatccccgct ctttctcgcg gctaccttct atggcagata caagctttcg aggtgctggc 480
 aaagatactg agcacgagta 500

<210> 40914

<211> 427

<212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910001g02d1
 <400> 40914

aaaattgact gcagatacaa taaaatttcg agccatttgg aaaattaaag tctcaaccaa 60
 aattctaata ctcaaacatg taaaagttga agaaactaat acacagggtta cctcattttt 120
 tcactaccct ctacttggct agttgtcttt tggaaggggtg agggaaaaata gacggctttc 180
 tcaccaatc gttgtgtcac tttctttgct aagcaccttt tcaactcggtt atcatctgtc 240
 tgaatcatat atctttataa atagaaatat cttttatctc tcataattca tccttcactt 300
 cggtgggtgct gctttggctc tccttgacat cagaactctc actggcggtt ttagtagttg 360
 aggctagttt ctggagctgg aatgggattg atgcatgttt cctgaggaac ttataaaagg 420
 ctttcac 427

<210> 40915
 <211> 463
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910001g03d1
 <400> 40915

ccaacaatcc atgcatcaag ttcgaattat aattgagcat aatgattaca agcggggaat 60
 aatagataaa ggtacagtta aaaatgcaa aagccatgaa gctcgagaca tcaaacgggg 120
 aacaaagatg aaacttgaag ggacaggaca cacaagtga tagaacaaga agtcatattt 180
 ttcaagttga agctcaagg taggtttcag aggctgggac agccgtatat gaaccaatga 240
 agacgtctcc ataaatcaag ccagccaaac ctctccaat caatggggcca acccaataga 300
 tccagttggc agcgaagtct ccactgacca cagctgggcc gaatgagcga gctgggttca 360
 ttgaaccgcc actgaatggg cctgctgcta agatgttggc acccacaacg aaccaatag 420
 caatgggtgc aatgataccc aatgaccct ttttgggtct gct 463

<210> 40916
 <211> 374
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910001g06d1

<400> 40916

aaaaaggaaa gaaatattgt tattaagggg agtaaaatga tgggatactc caaccatta 60
cattgcaaga gaagatgtag gccttgcaac agctttggtg atgagggagt gtttcatttc 120
catggagagc tttaagcact cagacaagtc cacaccagaa tcattacaag gcgtccattt 180
gaacttttga aggaacacag caagccaagg gtcaacaggg gccaaagcca tggttttttc 240
aggggacact tttctaccag cgccaaaagg ggccaacctt aaatcagacc ccatgattgg 300
cacgtccttg tctttcaaaa accgctcggg cttgaaatgt tctggctcgg accacacttg 360
ttggtcatga gtga 374

<210> 40917

<211> 405

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910001g07d1

<400> 40917

ggggcccagg gcaaggctat tatttttggt agctcgcccc atttgaagga ttggcctttg 60
atcttaaaag agggcttcat attttggggg ggaaaaaat ttataaacta tcattggaat 120
tgtttgctaa aaaatgtagg atttttaatg gtttggaaca atagctcttg gttcaaattg 180
gggggatttt gacactaaaa ggggggggtt ttttccaata cataaaaaaa aaaaggctcg 240
cttttttaat ggggctgaga gactaaagaa tgtttataaa aattttatct ccttaacctt 300
ttaagggttt tatgaaaaac aaaattgtga agactcctgg gagtcgaagc gaattatttt 360
ttaaatggaa taagcctaac aatttaatga acttgggggt ggaac 405

<210> 40918

<211> 477

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910001g08d1

<400> 40918

aatgataaag ttaaactcgt tcacatttca agatccgaaa aatccagttt ccccatcgaa 60

ttataagcac aaaatcatct ccttaaatta aggttattgt agctaaaaac cgtgttcctg 120
 tttgaatcac tgaactccta ctgaatgagt tccttttaca cataaatttt taggtactcg 180
 tccatgcgtg tgtaattcac ttcagggtaa agcttggatg cttcttctcc ttcctctcca 240
 atttcaaaat ttgctaaaca tccctcgtag aatatatgat aaaagtgtcc aatccctact 300
 tgaagtttat aatccaaccc tttcagtgtt gtaagaaagc cttctggagg tatgtatgtc 360
 ttctctagtt cctttccaat aagtttctcc caaattccaa taagctctgc ttgagagata 420
 atattttctg gaggccttat gtacaatgtt ttgttaaggg ttcgtggatc atctatt 477

<210> 40919
 <211> 484
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910001g11d1

<400> 40919

aaccttaatt acttgattaa gtaccagtca caccttattg aaatgatgat tatgaataca 60
 taaaaagcaa ctgcatggc aagacactac tattgtatat gatgattatc ttaattaaga 120
 aaggagttta gatgcaacgc cgatccttgc aagtggaaca caaacgagac tatgtgccct 180
 tggaaccgtg aggccagctc tctcttccat gctaactttg gcatcatcac ctttcaatat 240
 ttgtccttga gggcccagca cttgcaggtc aaagcattgg ataagagatg caagaagtgt 300
 tgccattcct gaagtagcca aattgacacc agggcacatt ctccctccag acccaaattg 360
 gaggagtgg aaatgctggc ccctaagatc aagaggccct gctttccctt cagcaccagt 420
 ttctaagaac cttttcggac ggaattctga tggctgtgcc aagatttggg gtccttctta 480
 cttg 484

<210> 40920
 <211> 505
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmro02910001g12a1

<400> 40920

cacatcacia ccacaatcag gcataatcttt gtattttaatg gctggatgga tatatagcag 60
 ctacagttga gaccatggaa tctactccac acacatttcg acctctgcag atcttgtaat 120
 atccattctc tccccagctc tcgccccatg aattcttaat gatccagtaa ggtttggttct 180
 taaaacgaat gggagcatat gcaccttcac cataaccaac tagaagaacc ccatgatcca 240
 aatgcttccc acagatgtat gggcatgaga cgccaccaac atatgtctgc ataaaaactg 300
 cattgatagc aactgcaaga gggccattct ttactagggtt tgcagcaatt tgttcttcat 360
 caagggaac cactgttaa ttagatacag tagccgcaac tttggttttg tcaaatttgc 420
 aggtgccatc tctcccggtg tatggatagt ctttttcttt ctgtactccc ncagactgaa 480
 gtatgtactc aaatgcgttg ttcac 505

<210> 40921
 <211> 542
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmro02910001h02d1
 <400> 40921

acttcaaaaa caagtactat tatttactgt tattaggga actacgaagt ttgatatttt 60
 acaaatcaat tacaataatc atttgaactg atgatagtat gaaagcgtac aacatcacga 120
 tttcacatta cttgaaaggg actacaattt tttgatacat gtaagttcca tgtatcaaat 180
 gcagctagct atataccacc cactacaaca aaaaatgatc caactatata taactacagt 240
 tgccaaaaat aataataaat aaactgagaa aagaatctaa aaattttctt tgtgaaaatc 300
 aaacttggtg ctgggttttcc tggaaaagtc taaagaaagc tttttcagtt ccccaaccaa 360
 tccatgcgcc ccacagtaga aaacaccaac tctttggtca ggggtgttga tggctgcatg 420
 tttaaagaca ttgcgccagt tgggtcttgc aaaatgagtc ttcacccttg tccctgaaac 480
 tatatccaca ccatttttgg catggtgaag agactgaagc attgtgatca aagctgacct 540
 ag 542

<210> 40922
 <211> 495
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910001h03d1

<400> 40922

aatacaagcc atgtgacatt aggaataggg gttaatgggc ccaatcagaa aaaaactgaa 60
 actacatcat caacaaggac tcaggaggag ttccaccaag tctcagggtt cactacattc 120
 aaatctaata gaataaaatg gtccacaaga agggacaatt tattttacta aattgtaaaa 180
 ctacttaaca aaaggagctc cttgttaata tattaaaact tattttaccgt tacaccatct 240
 ctagtaacct catatgcttc ccttttcctt gttttcttca tgccggccgt gaaatggagc 300
 tttggtcctt ccgatgaaat ggcagtcact ttaccata tcagcacttt ggtcttgatt 360
 ccttctattt ctgctagctt ccctttctac aaatagccac tcacgctggt ggagaaacgc 420
 agaactgacg aatccctgtt gccaacctca cacacttgag gaatgtaaac aacaagcttt 480
 tctgtctttt cttaa 495

<210> 40923

<211> 315

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910001h06d1

<400> 40923

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 tttttctttt tggggggggc cctaaaaaaaa accccccttt gggctttttt ttaccacca 120
 cccccaattt gaaacttttt ttttttttta aaagggggga taaaaaaaaac cggggtgttt 180
 ttttttttta aaaacattaa aaaaaatttc cttttttccg ggaaaaactt ttttaggttc 240
 cccccccgcc gggtttttaa ggaaaaaacc aaatgcccct tttttttaa ccccccaaa 300
 aaaataaaac ctttt 315

<210> 40924

<211> 466

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910001h07d1

<400> 40924

ggcctccaac tcaacaaata ctgtatttgg tgtagcgtgt cctcaaaaaca taaattatac 60
 ttacaatata gcagggaacg aatcttagag tttgctgctc ctactcactt taacacagta 120
 gaaaatgaat actgtatgaa cattacgaat ttgtctctgc ttctctaata ggcagaatta 180
 cttaaataca cggctataat ttcacacttt acttttaagt agttgtatag gactcatcca 240
 aaattacaac ggcccaaaaa atatcaatgc cctatttttt aggacaccac tatgctgatt 300
 agttcctgta atgaacactg caaaatcgac agatttccta ttttacgtaa aagtgatcac 360
 aagcagatag gtatcacaga gactccggac tagtggatgg tctgattcta gctggcattc 420
 gcttacattg attcaactgt gtctcaaacc catgtttaaa agattt 466

<210> 40925
 <211> 387
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910001h08d1
 <400> 40925

aaaccaaact aactgatctt atcatatgtg aaagatatta ctatgggact tatgtgcatg 60
 accaaggctc ataacacgta tgctattggg ctaccttagt ctacagaaaa tttgaaacat 120
 gcacgggcac accataccgg agaacgctat agagaagcat tacatcatca accggctttt 180
 gatgctgtga caaaaccag aacaaagccc tatatggctc gcttgatgta tgttgtagcc 240
 cagaatcacc gccttaacaa actggcacac aagcctcttc catggaggcg ataaaatcac 300
 cgggtgttgc aatgttggcg aaagcacgac tgtgcttgat gccatactgg atcaatgtcc 360
 aacagagagt gtgagacacc ctaacca 387

<210> 40926
 <211> 448
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910001h12a1
 <400> 40926

ctcttcccat tcaatggctc cttggaaata atatgtttta aaaaatcaat agtaaaaaga 60
 agaaaatata cccaacacgg aatctgcctc tgacagaatt aagatcatat taccataatc 120

ttacatctga tcattttttt aatatatttt ttccctcata gcaataacaa aaaatcaagt 180
 tgaagagata aaaaaaatga gaaattaaaa atcatcatcg cacgataatc atcagagaca 240
 aagcgcggtg cagcgtaa atcatccac gacggcagca tcatcatcaa acggcagcgc 300
 gttgagatcg aacggcaagg gaggtcgaaa cgacgaggaa acgatgttgt cgtcgctgtc 360
 gtcaacgacg gaggaggaag agtcgcagtc actgtggcag tcttcgggga caagaggggg 420
 agtgcgcggg tatctccgcg tagtggtc 448

<210> 40927
 <211> 535
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910002a02d1
 <400> 40927

acagccatcc gttccaaat tttttatttt gacagttgac gaatattaca ttgatccaac 60
 aaaatggtgc catagcacct tattatagcc acaagacgaa actttgagat gtccttattc 120
 tggaacggac aggaacactc taatcttaaa ggacatttat aatttcaa ataaagggcacc 180
 ctataaaatg aaaagggaaa gaatccctgt agtctgaata ttcaaaatgg acttacgtta 240
 cattctttgc taaggctact tgggtgaatc aataaattcc tgactgcaaa tacattccgg 300
 tcaaaacaca gggacgacac cttaa atag gagacctgcg agagccaaga atgctgctgc 360
 aactttgtct tctctttgt ggttgaacac aaacaactgt taccaaagca gcaacacaaa 420
 ttctcaa atc ttcaatgaag aaactggaat tttttcagca gatggagatg tttccttgaa 480
 acccaacatc ttgttttagtg cagcaatata agccttgaca ctggaaacaa cgaca 535

<210> 40928
 <211> 442
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910002a03d1
 <400> 40928

acaaaagaaa attatcacag ttaacctgca ttgctgtaga aattttgaag ctatatattc 60
 agttatcaca tttcgatcta tacaataata ttttaactga gcaaaaacaa aattcacctt 120

gtacggatca agttgaacaa tggagtaagc tgtctccaag gatgcaagaa agttgagtaa 180
 tattttgaca aaatgccatg ttaggtggga aaaggagctt tagcttgta agcctttggg 240
 tccgactcaa tgaacaaatc agtgaagaag gggtaagaa ttgcttcctt ggccgaatca 300
 tacttgtaaa gacgtttctt caaggatcgt agatctctct cgtgctttgc agtacgttca 360
 aatgatttct tcatgaggag tatgtctacc aagtagatca accataacac gtttggtttg 420
 ggacagcttc ctttgagca at 442

<210> 40929
 <211> 416
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910002a04d1

<400> 40929

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 gaaatcaact agagaaggga gtgaatacaa ttttgggtta ctccattaaa ccacaatttg 180
 taacaatgac ctttgaataa gggcggttga atcctatttc tgctacaaca gctctcttgg 240
 ctectattag ctttgccacc ctaaaatatg gagatcctgt attctcttgt acggttttta 300
 ctagaccgat cctctggaca acctccatcc ctectattac ttttccaatt accagagtcg 360
 atgcatccaa ttctggcgaa tccttcgtag ctatgacaaa ttctggccca ttggga 416

<210> 40930
 <211> 365
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910002a07d1

<400> 40930

attgcactaa tggaaatgat aatacgaata cttcattact aatatttcat aattacaatt 60
 tctcaagtag cctaaagaat aagtatatat aatacaacaa tctccaaaag aggttgaatg 120
 ctaaagcctt gcaacatcta ttaatattta taatagactt taatagcagt aatcctatat 180
 tatattatta atataacagt attatattac aaatactgga tttggagggt ttccattata 240

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acctcaaatg ggcacgaggt attccatddd caacgccaga taattagctt atagctttcg 300
ctttcccgag cttgttatga aggataatga cactcatgca tgtctagatg gatcctcatg 360
caact                                     365
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<210>	40931
<211>	402
<212>	DNA
<213>	Glycine max

<223> Clone ID: jC-gmro02910002a09d1

<400> 40931

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aagaccttg	ataaaaagact	tgtgaacatg	tcagacagaa	ccttgcatat	aggttgttgt	120
aaaggagatc	attttgctaa	ttaacagaaa	attaccaagg	tgacctaaat	tgttgttaaa	180
aaagagtcac	attggatggc	tccatattac	tgatgtacat	acttctgcaa	gtaattgggg	240
aagatgtttg	ctttagagct	tcttcagtga	cgctttcaag	tgtggttgaa	gagttatttt	300
attggtagcc	atctgaacgt	cataacaaag	attcccatga	accagctgga	aacatcttct	360
tatctcttta	accttagaag	cgttccccac	tattacactc	tg		402

<210>	40932
<211>	400
<212>	DNA
<213>	Glycine max

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<223>      Clone ID: jC-gmro02910002a10d1
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<400> 40932

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ccccaccaa acattttccat ttccgaccaa cttcgattca atcaacagct caaagcttca	120
tacttcaccg gcatggatcg gttaaaccoc gcctgagaaa gcaagttccc caccaccgta	180
agatcacggc agaaaacacc ctgaaacacc gccggattca ccgtagaaga agacaccata	240
gacctatttt gagacatttg agtactatta ctctcaacga ccttattcaa ctcagcagca	300
gcttcattgg ctttctcttt ctgtgcttca agagcttgca aagcagcctt ctttctctgc	360
ttctcagcag cttctctatc cataatatata cccatcacat	400

gacgatgtgg tggttaagca cacagtccaa ctcttctga aacctctcca tggcttcaga 240
aggcaaacia accggtataa ccaacccttc ctctccttta gcattcttaa agggatatga 300
aaagctagca acaccaggta tggctccaac ccctcccttg gcgggtcctc cataaacagc 360
cttccccac ccaaactcaa tgtttccaaa ccagcagca gtcacatccg acacgagata 420
cgatctcaca acagtgaagt gagggccggc cttgggtgacc attaaatcag ccaccgagtg 480
catgtattcc tcagtcacat ccgctttggc 510

<210> 40936
<211> 425
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910002b05d1

<400> 40936

gaaataatat atatctttat ttgtctattg gcatataagg tagacatacc acctattttc 60
ccagaagtac attggcatca tttcatttgg cggctttttc aacctcactt agccactatt 120
tacatatctc taccacaaaa cttaggata ataatttacc ttagaaacca aaccctataa 180
ggccttacca aatatcatca ccttaactaa ggttgaaaa gagccttgct tattttgcta 240
cacgccattc ttttgatcac tgcaccatca actatttcac aggtgtctta tttctacttc 300
ttcagccttt tccagttctg ttggactttg ctatatatac aaaacgctag aaaccacttc 360
aagaagaaaa ataataagac ggacggtgac actttcaaat accggcccta ggaaaagctg 420
agtat 425

<210> 40937
<211> 438
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910002b06d1

<400> 40937

ccaaaaccaa ctccaatttt aattccattt gctactccca acattggtca tcaccagaaa 60
ataaaagaac aatttagact agcaataaag tgttacatac aacacaacia acaacataga 120
cagagaaaaga caatctgcaa acaactcacg accaaaaacta tagatgaaaa atggaccgaa 180

caaataatga catgcatatt tcttactctt caagttcaat ttccttcacg tacccaaaac 240
 caccaccaga gggtattttt tctcaatcag agtaggggtt gatcttgaac ctgtaaagaa 300
 gcctcttttt tttcaaggta ggattgtcta tggtagagcaa caattttccc agttcaacaa 360
 ctttaaagct attggttaaca actgggtcat cggtagggga catctttgtg gccttctgta 420
 tgataaccgt atatgcat 438

<210> 40938
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910002b07d1

<400> 40938

gggtcatagc acttcccaag gggttaggat tttataaccc ttattaaaaa aactggcatg 60
 agtccaaaac ccaaaatata gcgcaatgat ttatgaataa tgactttacc cataacattt 120
 aaaatgaaaa tttctactgg ctgttgaaat gaaacctgag cattgttgaa catggaacca 180
 acttgggtcaa aacctaactt ggaaaaaagc ttaattttgg attttgaaaa aaagtacaat 240
 tcaaattcat tttcaagctt taag 264

<210> 40939
 <211> 421
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910002b09d1

<400> 40939

cacagaaata caaatgtttc taacatttct tcaataacag cttttatcaa acctgccaac 60
 aagaagtttc ttatcacaga aatacaattc aatgctaaag ccaagagtat gaaagcgccc 120
 aaccattttc aagaccaaag gagctgttac aacaatgttg aaaaccaggg ccagaaaacc 180
 tgtgggaact agaaaccctt ctgccgcatt atcctaattc gatttcaaaa attccaacaa 240
 gaataaacag cattgtcacc tcaactgttc ttccgagctt tagatctggc aggctttcca 300
 ggtttaatta ctttaccag aagaatcata acaacaggaa caatagttcc aatgtaatac 360
 acgcttccat atgatgcaag agtttcatgc agacttaaca ccatgaaacc aacacaggag 420

t

421

<210> 40940
 <211> 394
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910002b10d1

<400> 40940

accagtgcaa ccaggaacca tatcactatt catcgtcaaa tgacaatcac aaggctttct 60
 ttaaactaat gcacaaaaaa ggataataga gaatcttatg aataaaccaa aaaatttaaa 120
 agaatgctgt gtataagtac tgcacagttc acaggcttct ggaaagtaga aattaaatgg 180
 gaaaaaaatt agggagaaat ataaattgcc aatactgttc ccaaaccta tttattagat 240
 attcatctaa cctaattaaa cttttagtgc caagaagaaa aaaaaaata agatatccaa 300
 gatagagaat aaacctttga tcattgagaa agaaatggaa gcaggaaaat acaatttggt 360
 ttacctccaa tgccttagca actagaggac agac 394

<210> 40941
 <211> 430
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmro02910002b11d1

<400> 40941

agaattcggg atatataaac tttgagcaca atcaaaattc atgtgaactc gatactcgat 60
 cttactgttt agtattacta taataaattg atacacttgt caaggagtta acaactaatg 120
 gtgaccacta gctccccacg atcatgcaca atgcctaaag aatcaattag tcaatgtaat 180
 cttctcaagg ttgaacgtgt acatatagac ccaagaaaa cacaacaaga tacgtttttt 240
 tatcatccca tacacaaata cacaaacacc ttgggctcaa ctgacttgat cgtcagagtc 300
 ctttttgtaa gtacctcccc aacctggag taggagatca aagattctac gaagactagg 360
 aactcgatca caactcatcg gaacttaacc acaacttgc agaatagaat ctaagaaact 420
 ttntatgctt 430

002220.03250

<210> 40942
 <211> 410
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910002b12d1

<400> 40942

gacaatgaat gcgcatTTaa cattacatca tgcataatgt acattgggca tttacctgac 60
 gattttgctt tctgcttttc aacacctaaa tgcattgatt gcattatcta tgactaagaa 120
 catcctcagg attacagcaa cactttccac atcacaatct gtaagaccaa agtttccggc 180
 ataaaccggg aaatggtacc acgaaagaaa gaaaaaaaaa gaagataaaa ggggtgcccag 240
 gcaactttta taatgggcat cacaagaact tttttgatct tttggttttg aggggaaggg 300
 aaaaccatag cgaaaacaaa acctaaacct gagttttaac ctccctcagta gttgcagtcc 360
 acattcaaag aattgaaggg ctggtccttt cagagccttt ttgaaaataa 410

<210> 40943
 <211> 393
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910002c02d1

<400> 40943

gaacaaagat catgccttta ttatcaacga agtccagttt tttggcctgt tttgttagga 60
 cgtgaattcc aattgcatta aaactttaga ccataaactt tatattctat atatagactt 120
 gccccgttac ataaaatact attgtataca aaaatgggccc tatcacttca cttaccaaaa 180
 gaaaaccccc ccaaaccaaa atactactat tagcgacact cggttccatt ttttttcccc 240
 ttaggagcaa tgccggggga ccaattttgc gcccacatg gaaatcatag atcccccttct 300
 tgcaaagtca acagtgggct taaaagaaag aaagaaggcc caccagcggg gcattgatat 360
 atgtaggggg ctcaaactgt tgaaagaaag gcc 393

<210> 40944
 <211> 428
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910002c03d1

<400> 40944

gcacttaaaa acgacaagaa atttattcaa tcacgagcgg taaaaataca acatacaaat 60
 aaaaataagg gagagtgaca tctacacaaa atccacacaa acttaaatca aacgaggaca 120
 ataataataa taataataat gatgatgata aaaatgagaa agccttgaac ctttagactt 180
 gagctttaac cttctgggtt ggctcgaaga catacttaat aagagaatcc ttaatagaca 240
 acagttctgg aaattccttc ttcaatttgg cagcgtcaag ctcatgatg ctctcggag 300
 caacaatcac cttggcctgt tcctcgagag tgaagtgtt ccaggtgaag ttcgggtcaa 360
 cataatctct gtacatctcc aagatttcat tgtgactaac cactcctggg ttagtaaagt 420
 tccagatc 428

<210> 40945

<211> 356

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910002c04d1

<400> 40945

cccccaaaaa aaccacaaat ttgggaaaaa tttccccaaa ggggggaaaa atgggggggg 60
 acccccctaa aaaaaaacct ttttgggggg gttaaatttg gggaaaaaaa cccccggggg 120
 taaaaaaaaa cccctttgtc aaaaaaaaaa actaaaaaaaa atggcccccc aaaaaaaaaa 180
 aaaccggggg taaaaaaaaa cccgcttccc aaaaaaaaaa ttgggggggg ggaaaaaaaa 240
 aattttttca cgggaaattt tccccaaaaa attttgggaa aggggcccc aaccctattt 300
 aaaaacgggg ggaaaatttt tcccccccg ggggttttta ttaccaaatt taaaaa 356

<210> 40946

<211> 390

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910002c06d1

<400> 40946

gaaccatcct atcattatat ttataagcca catgatagga tttaatatta gtaacatttg 60
 aacatattag caattctcaa gaatttcaac cacaactaaa ccaaatcaac aaacagtaaa 120

gccttcaaaa attggggggt tcaaaatggt tgacaaatga aaacagcccc ttcacttgca 180
gatacttttt gggggcatgc aaatttagct gtattgaatt cataaagggt caacaggggt 240
atttgattgt gctccccatt caggccaaga tccatcataa actgcaacat cagactttct 300
aagacgatga agaccaatg caagaatgca agcagttacg cctgttccac atgaagtcac 360
agctgggctt tccagagaga tgccttcttg 390

<210> 40947
<211> 401
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910002c08d1

<400> 40947
aaacaaaaac tccaaattcc ataagcctat tttggcttca acatacttcc cttttatttt 60
ccaatttcca tttttcatca tgatcatcat ccatattatt atttcgtcct gttattggtc 120
acctgaaaag tgaagactga aaaacctccc cggaatcacg taccgaaaaa ccattatttc 180
atttgggcca accaccgaaa cacttaaaca cagcctaaaa aagagacccc actccccgaa 240
cgtttgacct ttgactgaca caaaacgact tataattttt ttttactcc ctccctcctt 300
ccagttttca ctatcactac tactgggccg aaacttcatg aacaaactta ttcaaacgaa 360
ttgcgttacg tattgcataa accccatgtc gctttcgagc c 401

<210> 40948
<211> 420
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910002c10d1

<400> 40948
aaaccaacaa acttgaataa aagttcacaa taaaaatggg tgaaaatadc catgttttag 60
accgaacatg ttctgaatag agctaataa tctcgtgcaa aaattgtctt gcaacaacta 120
ttatatggat ggactacaaa cgagagactt ctaaggatcat cactttttgt cttccttctc 180
agcttcggca gccttcttca gtctggcacc ataatggcgt ttgtttgtgc gttcaagtcg 240
aagcttgtaa taagctttta aagccttcat gtcactgtga acctttacaa gttcaacagt 300

tggcttctcc ctcacaatag gcaagaaaga accctggact tgcgttgcac ttgcaagctc 360
ctcgggagta gaatcaccag ccttaacctt ctgtgcccggt cttgggaaca caaccaattt 420

<210> 40949
<211> 438
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910002d03d1

<400> 40949

attaaaacca cccatatgcc ttcaacaaat agtttagact tgtgagaaat cctttctaata 60
ccgaatactc tggtagagcc acaatctttt acagtttcca cgagccggtt cttacaataca 120
gtaatcaatt attcatacat caccaagttc aaatgcaaaa tctttaaaat cgctccactc 180
aagaatgtgt tagcatcatc aaatcactgg gatgaagctt cctccttctt ttccgacaga 240
agccccctgtg cctttgcccc tggggaaaaa tgatagagtt gaacagtctc atttgaggca 300
tggcaagcaa aaagtagata gttgcgtggc tgaaccatcc atgcaaactc catgaacaat 360
gctgaataga cacacattgc tctgtcatg ttgccagaga tcatttctgg aggtttgttc 420
aggtcagcca atccagct 438

<210> 40950
<211> 443
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910002d06d1

<400> 40950

ctggcagaat atagcaaata tactctccga cacattttgc gtgtctacaa ttctttccat 60
tgtatcatag taaattaaat aaatgtgtaa gggctcaatc ttcattgata caagccctgt 120
aatacatggg gcaatattca gcacaatagc ctgacttgac tatgtacagt atacacagtc 180
tttgcgcatc caaattctct tatataaatc tttgtttttg gccaggcagt gcatgattag 240
gccttggaac tcttttgagg tatacttgaa caaccagaag acaaggagca ccaattatga 300
acttcaaata ttttttatat actgaacctc atatgatcta aaccacagc atttggtaaa 360
ttgctgcac ataggggtct aaccgcatag gactcacttg acagcttctt tgcatttcct 420

agacatttgt tacaagatat ata

443

<210> 40951
<211> 388
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910002d07d1

<400> 40951

aaaacaagag ttcaaagat gatttccttt attataattt atttattgat gaaggaggta 60
caaagatatt gaccagctct tacaattctg aggcaaaaga aaataaaagg aaacactcgt 120
tacattgaaa gccaacttaa aacttgagca caaagtacta aataacagta cttcacgcaa 180
ggaaactctt gtatatgata agcaagacac tgatgataac taagttgaat attggatcag 240
ttgtaatgag gattggccaa aaggtttagc tcaacggcct tgaaaagagc atcagacttg 300
actttgccaa ttttgagggt gtctgggttg ggctgagcat ctcttttggg ttggtatttg 360
acagtttagt tcccagcaga ccctccgt 388

<210> 40952
<211> 301
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910002d08d1

<400> 40952

aacaaaaatc tggccccgga atcttcaaaa aatagcaaa aaaaaccttt cccaagaca 60
ttccaagact tttttaagat ttttccaag ggggaaggaa aaccccgatt ggggggtgag 120
ccataaccgg gttggaacaa aggcccaa at caaattaagt agggagaatg gggggggggg 180
agtcagggtt gcccccaaa aggggacccc tgggggcggg gaaaaattca aaacctggca 240
gctcggggac atttccttta tggggaaccc ccagggggga cccgaaaagg ggccccgga 300
g 301

<210> 40953
<211> 428
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910002d10d1

<400> 40953

actagtaaat ggacttcatt ttccatttat tttgcattta aaggcaaatac agttacacaa 60
 accgtgccaa acactcttag tctcttatat tgttccaaat gcttgataca catccgtggg 120
 agtgcttcaa agggaagaag cctcacaagc ttattgtgta ttcattagca gctaaaaatt 180
 cctcatctta ttacattaga tcaactctaca aggtaggagg gatccatata tagccgtgtg 240
 tttgaacata gccagctttt tcaagtaact gatctgcttc tgcaggacct ctgcttctctg 300
 gtttgtaggg gagtggttg aattccccct catcaattct gtgcagaagt ggggtgaaga 360
 tctgccagga tgccttcaac tcactctctgc gaacaaaatg ttgctgatca cctctaattg 420
 tgtcaaga 428

<210> 40954

<211> 452

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910002e03d1

<400> 40954

aaaaattgat cactatggat ctatactcag taataaaciaa gggatacatc aataaccttt 60
 ctattatttc acatgtaacg aaatgctgcc atgtgatctc taccatcaa acaataataa 120
 aaagaaagta acgccctacg ggtgtactta ttgtttctaa gctcaaatga tgaagttatt 180
 aaacagaatt acagctaaca atgctgcaaa ttttaagccg agaataacag ctaagttgaa 240
 gataaatact aaggaaaaaa aatacagtat ataaatagtt ccatttccaa gttctgtggc 300
 tgttatgcag ttaacaaaaa accgattcac gctttgccat tggccactga tgctcccgca 360
 gggttaagct catcccaagc ttcaatccaa gtgaccatgg catctgccaa cttgtcaaag 420
 taaggatcta ccttggaag cttttccttg ac 452

<210> 40955

<211> 421

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910002e04d1

<400> 40955

aatcagaata cttcatgaaa agaatttggtt aattcaacca aaccaaataag gtaacaattc 60
 acatctcttc tacaacagaa cgggagaaaa aaaaaagaa tcttacatat cttgctagcc 120
 ttcatgctct tatctcaaca taccaaagaa aggaaaacac aaaaacaaga tagataaaag 180
 gatggtaaag agtaggaaat gaaagttcct caaccactag atgggtatttt tgtagtattt 240
 gtataaatag taatttccct ggtccagctt tcacactcca tgattataac ttagaagcat 300
 ttctgtgta cgattgatgg tccagattca tcatactctg ccttcgcaat ccacatctgt 360
 tggaagggtgc tgagggaagc caagatggag cctccaatcc agacactgga cttcctctct 420
 g 421

<210> 40956
 <211> 379
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910002e07d1

<400> 40956

atgtaatcaa cctatttttaa aaccgttagt aaagactgga tcccagacca tatattacat 60
 aattgataat ccttatggac atcaaacaga aaatcccctg aaaacgaggg cccttgagtt 120
 tcacacaaaag gataccctat aaaaacctat atatagtcct atactgcatt agctacaaga 180
 taaataaaact ccacatatgc tttaagcagg ttgggtttct tgggtgtggaa tccattacca 240
 acatcacgat cacaattcct gaaagccata cacaaatgaa aattatgatg ataaataata 300
 tacatttaga aacatgcagg gatgcttcca ctatgaagag aacagcacca aaaattaaag 360
 aaactagagg ccgatagaa 379

<210> 40957
 <211> 363
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910002e08d1

<400> 40957

aataagattc aaccaaacta gagaaggcca ccacggagcc taaggacaac atagacatag 60

aaatTTTgtt atatcataca cattcaagga agagaaaatc tcaatagcaa gattcaactg 120
 aaactagaaa tcgccaccac ggagcctaag aacaagggtga agcgtggatt ctttctgaat 180
 attgtaatcg gcgagagtgc gtccggattc gagctgcttg ccagcgaaga taagacgctg 240
 ctgateccggt ggaatccctt cttatcctg aatcttcgcc ttcacgttat cgatcgtatc 300
 agaactctcc agctgcagag taatagggtc tccggtgagc gtcttcacga agatctgcat 360
 tcc 363

<210> 40958
 <211> 323
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910002f03d1

<400> 40958
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 cccctaatacg aggtctccca aaaaaaaaaa accatggggg gacctgggat ataattcacc 120
 aacggttggg gcgatttaaa cctgggagac ctttttgggc cccttacagg aaccattcc 180
 catttaaaaa atgggggggtt tcaaatttca accgggtgcc acgggcaaag cttggggctc 240
 tctcggtttc gggggggccc ccaacgatta tcggggaggc caaactccgc gggggggggc 300
 ttgacaaagg gggcgataaa ccc 323

<210> 40959
 <211> 309
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910002f06d1

<400> 40959
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 ttctgatcag tgaaataatc aaatgtgatt gaagcaaaag cttcagcttt cactcgcaga 120
 tttccacggg ctgcttatct agggaaacat ctaaacggag acccactact actgacgaag 180
 atgcaccttg ccggaatata actttcgcta cactctttat cctgatggca aacctcctac 240
 atatcatcct gtacacccta ctcttgatg cgttctccag ttatcgtata cgcactctgca 300

caggcgcca

309

<210> 40960
<211> 370
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910002f07d1

<400> 40960

gctaaagacc atataatctt tcatataaat ggggtgtaact ggggtgaaccc agtcaaccaa 60
cctttgcact atctacaaaa gaacatccta tcgggatcac tctgagggat taaaggcgga 120
ggaaccacat cttgaatctc ctataaatga tgcgttgaat gacaccttgg agaaggaata 180
atgaaccatt gaacattatg gacaatcaaa atgcttcaac actagccctt ctagaggctg 240
aggatgatga cttgcggttt tactgcctat caggctgctc caatgagaga cttgatgcac 300
aagcacgcag tggcatgagg agaatgggcc ctccacctga ccatcttgga ggcgaaacag 360
atactggaat 370

<210> 40961
<211> 315
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910002f09d1

<400> 40961

tagccctgcg gccgcccttt tttttttttt tttttttttt tttttttttt ttctttttta 60
ttgggggttt taggttcccc atgatattaa ttaacaatag aaacacttga acctattcct 120
aatcttaaaa aatcttaatc acaactcatc cctatcaaaa accacgattc catccaaaaa 180
tgggcgggta caaaatgtat gccaaacgaa aaaagtcctt tcaactgcaa ataccaatag 240
ggggcatgca aaataactga tacgaattct taaaaggcca aaagggtgat tcgattgtgc 300
tccccattta atcca 315

<210> 40962
<211> 505
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910002f11d1

<400> 40962

atcaagagga actaaaatgc attaaatttg cttatccagg acttcagaaa ttacaaagat 60
tatttcattc aatattatgt atcctacaca aaccataagt aacgacaaaa attgcgaagc 120
caccttgtgc ccacacttac accacaatcc aacacaagtt gatatatctt acaaataagg 180
aatgtagtag aaagccagca gttacaatag ggaatgaaga atgaagtgtg atgacaagta 240
ggtagtacia gaggtacaa aattatgagc aaataaatat gcaacagtta gatttcatta 300
actgaatcaa ttctgtttta tgatgcctga gaatatgctt tgttgaaggt gatggatgat 360
ccaacctcac ttgtgcttct gtaagatatg cctccattt tttttctctt ggagcggctc 420
ttaactatct cttccttttc atctacgaat gtaaggaatg tgcgcaaacg cgaagatcct 480
gagccatggc cagaagattc gagct 505

<210> 40963

<211> 567

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910002g01d1

<400> 40963

gaacttgaag actaggagga aataaatata ttgagcatag gccatttaca tctagccctc 60
tactaattaa cagttaacag aaaacagtta gagtgttcct tggcagttat caatgccagt 120
gtatggctct caaaattgca ttttttgata caattgccag aggagagttg gtaagtacat 180
agatcaagat aatgaattag cctcgtgaac tggcatatcc cgtggaattc cttcagagca 240
gccaatgcca tggtagatga aagcattcgt agaaaacaaa tattgaccaa catatccaca 300
tcaattttac agtctgaaaa ctgaaaagct catccatgtg cacctttaaa atgtaatggc 360
cgtagcttca gtcaagtttg cctttcctat tcatcaagtc atggtagtat agcagtacac 420
acatatgttg accaaggata ctgaatatga accaaaaaat catatttcca accattgagt 480
atctgaattt attatgcaga taattagtga tcaagaccaa aggaaccctg gaacataatt 540
ccatccgaag ccacaaactt gaatatg 567

<210> 40964
 <211> 484
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910002g02a1

<400> 40964

gtttctactc tcacaactgt ttatcttctt cctcttctca actgtgttcg tgtgtatgca 60
 tttgagttga aagccagact caaggagctg aaagacaaaa gaagaaactt ggatttgaat 120
 cagccaaaat ttgagttaca cgtaattgca aagataagat gagtgttatg tatagtcctg 180
 ttctcaatta ctcagatgtg gagcatcagc taaggaaaaa ccaagacatg gattcaagta 240
 ttggacatcc acaacaacac tgtcaccaac ccaattctgg actattgagg tattgctctg 300
 ctccaagctc attgctggca agcctcattg acaacaccat tcatggctgt gtgaacgagg 360
 aatcgctcac aagtgagaat gatcatgac atcatgagca gcagcaggag cattatcttc 420
 catctacaag ttcataaatg gagaccatgt tatccaaatt gctaccatcc aacaatggat 480
 ggag 484

<210> 40965
 <211> 442
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910002g03d1

<400> 40965

ggctaccctt tttttttttt tttgggtatt ctaatacgaa gtttattcga ttaaaaagag 60
 atttatatag gacctaatac aagtataaga atggagaaaa tcaaataatcc tttcaagtct 120
 tgcattattca aaatgcaact atatggagtt gacaaatcta ttctgaaaa cataagagac 180
 tatttttctt aactacaaaa tccatcctca tcaaataatca attgggtacc cttaaattga 240
 cggataaaat tcaagtagga cttagtcacg gaactcatcc atgaattttt catggaactc 300
 agtcaagcgg gtgacgatgg ccggaatctt ttcttctgga ggcaatatgg tgcacctaaa 360
 atgccatgtg ccaggaacct gtccaaaacc agaaccagga tcaacaacga ctctgtggc 420
 attaagcaag cgttcgcaat ag 442

<210> 40966
 <211> 436
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910002g05d1

<400> 40966

ataatactgg agcttacaat attagaaacg ggggggtgaa gaatttcaaa ggtttttcat 60
 caaggaaaaa aaaaaatcct accattgccc ggatgaatcg tgtctaaagg ccgcagatct 120
 tcctcaattht tggtcgccta attaactact accaagcagc gacactattc acatattggg 180
 aaagtaaagc ctagaaataa ttcaaaagca aagggttaaac aagatgccat atttatctat 240
 acctatttat ctacaaatcg gattctggca caatgcctca cttctgcact gtcgaggcat 300
 taaccgggctt ctctttgcag cttgtgcctc acaattatca ggttccatgt catctatcat 360
 ctgaccatca tcacatccag cctcatcaga aacttgtgat ggccttgtgg gagcttcctc 420
 atcgtctact gcatca 436

<210> 40967
 <211> 412
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910002g09d1

<400> 40967

caagacgtat gatattgcaa atgacttaaa cttctacaca agaacgaaca aaatgctata 60
 atgaattccc acactgccac acagttcaaa gttattgcat accaataatt tcaagaacct 120
 ttattaactt acactttcaa agggattggc acaacaatat tatatgctaa taaatataat 180
 aatcttaaga tgatgaagca ggtttggaag atggggtgaa aggaacctgc tcagcgcatg 240
 taaggatgtc atggggccca gcctgttctc gaccaacacc aagaaggcca agataatata 300
 ggtaatggga aacaatattg ttcattgagt ccacatctcc ttgtccacat acaccatccc 360
 catagagaat gttcattgta gtgccaaatc caggaacctg attctccata gt 412

<210> 40968
 <211> 416
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910002g12d1

<400> 40970

gatggaaaga taattctaata taaattcttta ttaaaaaaaaa tactacacca taaaagtaat 60
gaaaagatat tgtaagagaa tataaaatta ttcaaaataa aataacaccc tagaacaacc 120
caatctatat tgactccttg ttttttagcca aaacagaagt ccgaaacatt tatattttaa 180
tttactcttt ggcacatttg gcagcttaaa gagctttgat gtatgttatt acgatgggat 240
tagttgggtg caaaattttg gcaacactcc gaagaatata tttcctcttc tcacatatca 300
tcgcaattgc caattgcatt aatcccataa ctctcattaa ccgatgatg cttgctccat 360
gtctaattgt gcttttggca tgtgctccct gttctttccc cacaatacgc tgtacagtcc 420
tagaatcaat acgaaccctt ctagaagact tcccaaactg attatctcac ccaacacagc 480
tgcagaggca aagatcgtaa taatgagagc caatggagtn gacatggcta gaaacacggg 540
tcctttcttt tctatga 557

<210> 40971
<211> 320
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910002h09d1

<400> 40971

ctggagaaat tggtttcatt tttatgtaag caagctttac aattagcaat tttcgtattc 60
tatttaacta tttttggaac ccgaagataa gaaccaatta agggaaaaaat ttatatttca 120
acgaataagt ccatcattta tggtcatccc aaaaccattc tacgtcagta tttcgggcca 180
cctaacttac gcgccgatca ccgcctacat taaaatccag aaacgtcact ttacacacc 240
gccacgcgcc aacaacccaa gtttttccgg tttcaacaag ggccacgtaa gcacccgagt 300
taccgactaa ctgagtctcc 320

<210> 40972
<211> 337
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910002h10d1

002260-44560

<400> 40972

aattcaaacg atagatagag ggctgattat tgaacatgat aacataatta tacaatttac 60
tctagcaaat atagacctgc agtttctgct ttgtgcagag aagctgttaa atagaaggac 120
ataataagaa ataaacgatg cataccacac ggtttgcgca agttctaata cgtcttcaaa 180
tacatgagat ttgaatagat taattatgca taaattaata gtagtagtag tagtaaata 240
ttagcagaag tcataggaac atcttttacg tgggaatgct gtcttggact caactagtta 300
ctactttcat tatcgaggca ttattccttc aattcat 337

<210> 40973

<211> 481

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910003h06a1

<400> 40973

taagctcgga tattcggctc gaggcacaat ttctctttct ctctgttttt gtgtgtccaa 60
tatggctcct aggtctactc acaacaatgg gttctatgtg cttatgctag ttgggatagt 120
ggtttagcgt atggttgcta tttgtgctgc tagcttatac ctagactttg atccaacatg 180
ggttggtgac cgtgctaaga tattcaatgg tggccagctt ctatcacttt ccctagacaa 240
agtctccggc tctggcttca aatcatagaa ataataccta tttgggaaga tagatatgca 300
gctcaagctc attgccggca actctgatgg cacagtcact gcttactacg tgcgacaatc 360
ccttgttgag ggcgtagaga ccagaatcg atgccgctgt agcctcagtg aagaaagaca 420
gcgggagcga cattccttgt gtgggctcac tgtggttggg cagaaacgct tgtgacagaa 480
t 481

<210> 40974

<211> 532

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910004a01d1

<400> 40974

aaaaaactca aacacaacgg atactattaa aactccaaag ccaaagacct cacattaagt 60

ttagacaaac aattcataaa gctcaagact tcacagatat agtagtctaa acacactgga 120
 aggtataatg cgtcaaccct ttatttagta ggtaattatg ggatgatttt gattcacaca 180
 gcaagcactg gcattttgat tactcatcat cataactctt gtactgggtga tgcttggtgt 240
 gatgcttctt cctcccatca tcatcatctg agtcatctcc atatttcttg cgtccatagc 300
 ctctctcatc atcatcatcc ttctctgat aggagggtt gcggtacccc tctctctct 360
 cctctctctg ccgagggtga cgccctcat aaccatactc aaccctctct cctctctct 420
 ggctttcata gttgtctctc ccatagctcg gtttctctc atactcactc ctccctccat 480
 acccgatcc atattcagat tcttgttcc ttccaccata cccgatcca ta 532

<210> 40975
 <211> 499
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910004a03d1
 <400> 40975

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 tgaactttcc caaatatggg cgtatttaac aaaagatgca aaaacaccag aggggggaaaa 120
 aagatgcaga gcacacatga aatatatagc atacactcct aagttttttt acaacaaagt 180
 attgttctag tatacgacac aaaccgcaaa gtcaaattct aaacaaaatt agtatacatc 240
 atagtactcc aaaaactaga aatcactgaa agttctttcg attagcttcc gaaccactag 300
 tggatggcac ggccactcct ggcgctacaa aatgtgagat accttctgag atgttcttaa 360
 ctgctttgtc aaaattaaca aaacccatga accaaaaatc atgcccttcc accgttacia 420
 cctgaatgta cttttctgat ggggtttccc tcatggtcac tgggttgacc actccaacct 480
 ttcccaaagg caccattac 499

<210> 40976
 <211> 477
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910004a06d1
 <400> 40976

accaagaacc gtaatatata tactatTTTT cttttcagat gtacataaga gtccaggtgg 60
 taatggtata accaacgggt gactagttag taaaaaaaa aataatcttg atcaacaaac 120
 aaattttaat taaatataag aataaatgac ccatgaccca agcttcttga atgcccttga 180
 gacggaaaac caatgtcacc caaacccaaa aatgcccaaa aaagaaaaaa aaacttctat 240
 ataattcatc cccttaatta gggacatctc acatttctcc cagggtccacc atagtaaaag 300
 taattcccc aaacattatt aatccctcct tgaatgtcat agcaattcgg gtgatccgct 360
 agaaccgaa gatttgacaa tggtagcaag ttgttatccc aatccacaac ttgcatgttc 420
 ctaaaatatg aagcttttcc aaaaccttca cttgcaaaat gtccactacc catttgg 477

<210> 40977
 <211> 535
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: jC-gmro02910004a07d1

 <400> 40977

atagtaaata gtagtttatt gcattttcat taaccgacct aagagtagat tactagttac 60
 aagacacttt ctggacattg ctttaagcagg agtccaagca gaaatggcat tcagaatacg 120
 ccctttccac ccagccaaa ccacttgcc atcctcagcc accacaaaat ctttttgata 180
 ttccttcttc accatttctt tttcatcatt caccaataga ggatcaaate ggacttgctt 240
 gaaccagct ctctgggttc taacctgcca ctgcttatag gtctcaggtc tctcaaccct 300
 ctgagcccct tcacacgcta taacattgat ggcattctt ccaacaacc cattctcaag 360
 catcactctt tccgggtctt cagaggcac attagcttca aacatatcaa acagtgatga 420
 gaagtggtag agtgccctcc taaaccgagt caggaaaaag ggtgcattgt aagtgccatt 480
 gaccaccca tggatgaaca tgtttggatt gatcctnctt atcaacttca acacg 535

<210> 40978
 <211> 443
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmro02910004a09d1

 <400> 40978

aaaaactgaa actctccatc aaatcttggt tcccttacia aaggacagcg aatcaaaaacc 60
 tgaaagatac acgcgtataa tcagataaat aatagcatca taaattctac aactcgtaca 120
 tgggatatac cagcaaaaata tctgagttta gagttgggtg cattgcatca aatcaaacag 180
 aacctagata aaataaaaagt cgcaccacga tcagcacctt agacagtcac gatgcaagca 240
 cgatgaatgg aatggaacat gcaatcatag gttcaaaaaga cccacctgta tggcaaaaagt 300
 gaaaggcaga caatatgtgc aacttggtccc agattggggc gcgagacaag agtggtttaac 360
 agagtcccat tatgccttca cgttgacctt tacacaacag agtatttgcc cggttgagtt 420
 ccaccaggaa gttgcaaagc ctg 443

<210> 40979
 <211> 377
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmro02910004a11d1

 <400> 40979

ccgccctttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 60
 tttttttttt tgtttttttt tttttttttt tttttttttt tttttttttt ttttttaaaa 120
 ggaaaaaggg cccccaaccc tttcaaaaaa aaccttcaaa aaaaacttcc caaggggccc 180
 ctaatttttg ccaaaaaaaaa aaaaaaaacc tttgggcccc cagggggggg ccccccaa 240
 tttttcccc ccccaaaaaa atggggccca aaagggccgg gttcaaaaaa cgaaaaaccc 300
 cctggtttta aaaaaaaaac acctaagggg ggggggcccg aaatccccct tggggaaaagg 360
 ggggaacacc cccccc 377

<210> 40980
 <211> 517
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmro02910004b01d1

 <400> 40980

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 cgtgcccata caatttcacg tatgactgaa tggcattata gattcaaatc aggaggaggc 120

ttgattatgg agcttatatg aaagaataca aaacaaatca atcatcatgt ttcatttttg 180
 aggggtaaaa tcatcatttt ttttttatte tttttttctc cccgcacttc agcaatagaa 240
 atacatctca gatggcacia attaacgcat aatggcatta ttaggtcatt gacaaatctg 300
 tatcaatgaa taagatatte atcccaaact gcatgcaaag tcaggtaag ctggtctctc 360
 taagagaatc tccgaacagc tcattcccag gcaaagacgg gagaaactgt caatttagaa 420
 tagatgaacg tatctggaaa ccttcacac cttcagaaag cagcggaat cttgtcaaga 480
 aattgccaca ggtttgttcc caggtgggag tttactt 517

<210> 40981
 <211> 460
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910004b02d1
 <400> 40981

aaaacaacat agttcaatat tgccattcag tttaggtacg taacaggagc agcgaagcat 60
 aaaagcaatg catccaaatt aaaaccacat cggacttggg acacatttga acatcaaaca 120
 caacagaaaa cagaccacaa gaacaagaat ctgaagtaga ttctagtagt cttcatcctt 180
 ttcttgcccc tcaccagact cagcaccac ttttttataa tccttctcaa gggctgcaag 240
 gtcctcacgg gcttcagaaa attcaccttt tttcataccc tcaccacgt accagtggac 300
 aaaagcacgc ttggcataca tgagatcaaa cttgtgatca atgcggccaa acacttcagc 360
 cacactgggtg gagtttgaaa ttatgcaaac tgccctctgc accttggaac ggtcgctctc 420
 aggaacaacg gtaggtggct ggtagttaat accacacttg 460

<210> 40982
 <211> 477
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmro02910004b03d1
 <400> 40982

gaacataaaa aaactacccc aaacaaagaa aactaacaag agatttaaaa atcaaatcca 60

ccgaaatctc caaaaccagc gtcgtaagaa ccggcatcag aaatcatgtc cccaattaga 120
 agtccaccca aggtctctcc aagcaacccc gcaccaatc ccattcccaa attgttcttc 180
 cccggtcttt gaactgctgc agcagcagga ggaggaggag cgtaaccgta cccgggttgt 240
 ggcggtacc cataagccgc ttgtggcgcg taaccgtatc catgttggtg agcgtatccg 300
 tatccgtgag cgggttgagg cggcggagga taggcatatt gtggcggcgg cggcggagga 360
 tacatggcgg gatacgccgc agaagaagtg gagcccaccg cgggagcagg ataagccgtg 420
 acggtgtcca ccttgtgaga aggcgaggta ngtgcggtg ctgatacctt ggctggg 477

<210> 40983
 <211> 519
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmro02910004b04a1
 <400> 40983

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 acttgcatga ggttaataca ccaagaatgt tggcccgctt tatttgggct attgcagagc 120
 acatagatat agaaggattg gatccactcc tagcagacga cccagatgat cctcttaatg 180
 tcattatata aaatattcac aaggttcttt tcaatgtcga ttcaactgca gaaacaacaa 240
 atagagttca agatgtacag gcagttctaa tatctgtcga acggctggga tcacgccacc 300
 ctagggtctg tcagttactt accaaagagc ttgaagagtt taggaacaat cctttggctg 360
 attctgtcag caagcatcaa tgtcgtttga tattgcaaag aatcaaatat gctacaagtc 420
 atcaagacaa taagtgggca ggggtaacag aagctagagg ggattacca tttagccacc 480
 acangataac tgttcagttt tatgaagcat ctgctgctc 519

<210> 40984
 <211> 453
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910004b04d1
 <400> 40984

aacattccca acaaatgctc aaaaataaaa tagcagatca atagccgcac ggtacatgta 60

caaagcaatt ttttgaaaat gggggaaagg caacacaaaa aatacactca aacgtttttt 120
 gggcaaattt tggcttctac ctaattcgta tatgtaaaaa gagaaaattt ttttacaaag 180
 aatacactcg tacatttttt ggaaagccct ggaaaagaaa aacccaaaga cccaaagaaa 240
 atagttaatt aacttcagtg gttcgatcct tgcagaacat atgccactcc tgtagtactg 300
 ctgcttgaag agcttgatgt tcagcttccct cagcagttag tttcgataga gttgatggcc 360
 cctttggttt ctgccttctc tcaccatctt tcttttcttt attattggca tattcctccc 420
 cttcatcttc ggcatacaat tttggagtct tgg 453

<210> 40985
 <211> 545
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910004b05d1
 <400> 40985

aatccatatc atggatgaca tgattttaaa ttaatataaa taaaatttta tatgtacaat 60
 caatgagaca agaagttcca atctaacggc tgatagaaag ttattcaata acataaaagt 120
 gatggactta catcgctata aattaattcc tcaaaaataa ggctcagaaa atacgcatgg 180
 cacctgaggg gaggaagaaa tacaaaacaa atacttctac caccgagagt gtacataaaa 240
 catgtacaat aggaagatgg atccacacat caacccttcc cattacgttt aagtccttca 300
 agataagact tgtcagcatt ggttacgca agttgaaact gggcccatc acttctgcat 360
 ctggctcgga ccgaatccct tggccctttt cctttgtcag actctccctg gttcccaaga 420
 gaaggaatta cttgatgaac aatccattgt gaatcaatta caccaatttt ttcattgtgct 480
 ggctctacac atcttctgag agcaaagtcc aatccccatc catgcactag atcgttctga 540
 atcat 545

<210> 40986
 <211> 517
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910004b06d1
 <400> 40986

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 tcccttccct gttgcacagg ttgacccaaa tacactgaat tactaaaatt gacataaaag 120
 gaacactagg aaaacaaaaa gcaaaattcc aaacgattat tctgggaaga gtcaaaccac 180
 aataatactt atcaacaaga aattcggttg ttgtacccat aataccgatt cctactcgca 240
 ctagtctctt caaacaacac caacttcgat tgatcagtag ctgtagttcg aaacatggag 300
 gctctctgag gcaccatcag caagctgtga gttacccttg taggttccca gagttgcctc 360
 tgagttagcc ttggctctta ccaaaggggc ttctgagcc ttcttcacat tctcttcttt 420
 tccgccccat gccttaaggg tgctctgttg aagtgccctt ccaaaggaga aagagagtga 480
 ccatggcttc ttcccattga cctgggtaat ggcgttg 517

<210> 40987
 <211> 562
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: jC-gmro02910004b07d1

 <400> 40987

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 aatcgaggac caaagcattc attacaaatg ctgctacaac aaggtgaagt ttctcacaga 180
 agtatatgct tccgttagat ggtcagattt ccctaaaaca acccttctcg caattcatcc 240
 aaggaagttt tatcaatgct ctccccactc ttgatgaggc aaattttcct catgtaagtt 300
 gtaacatgtc ataacaccga aagtaaaaat gagaattcat ccgagggagt ttcatgactt 360
 ttatcaatgc tctccccact ctgtatgagg tgaactctcc cgtcgcggcg aacacatatc 420
 tctggaatgc ttttaacttc accgttgatg ctatcattat aaactctaata ctcaatgtca 480
 ccctcaacat aaactgaaga gtttttaaag agtttctgta ctgcataggc ccncagtata 540
 tcattatgca cagcaatcct at 562

<210> 40988
 <211> 415
 <212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910004b12d1

<400> 40988

aaccaacaaa ccaataaatt ttgtaggggg ggctggttca acaacactat gcacaatccg 60
 ctgtgcaaac ccaaggggtgc caggattccc tgtaatgccc taacccttgt tatattaaac 120
 cttttaccga tcttggggcg gcagattcac ttgcacgaat attctcgggtg ggggtgatgcc 180
 ctcccccttt ggagagtgc accgaacacc acgctggaac gactgaatgt tgatgattgc 240
 cattcatatg ccagggaaaa tcattaactt tgggtgtgaa gatgaaactg gttaacagct 300
 gtcactgatg tcctattgac gaggtagagc catgtgctcc aagagttgtc ggggtgtggaa 360
 tgacaaatag cctccattc ttctttgcgt attttatcac cctgtgcgc atcag 415

<210> 40989

<211> 556

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910004c01d1

<400> 40989

cactcaaact agaacatgca tcaaaactca tagaatgctt acaagaatat ttacatatcg 60
 tctaccaata agatatattt gatcacattg caaccatata tcaatcttta tttttcagca 120
 gcaagggttg tttgtataca taaacataaa gcatagtagt acaagggact ttgtttgaca 180
 caaaccttaa ttaattgatc aattatctta gtacacactt taaaatgttc attattaatt 240
 ataattatat gatgagttaa taatatattg tgggttaggt atgggataaa cgaccacttt 300
 tcctgtggct cttgaagttt ctaagtagga aatggcttca ataacctgag aaaatggcac 360
 tggagtcttg gcatcgagta taggcttcaa cttaccactc tcaaagtaag gtcttaaatt 420
 ctctaagata gatccctttg aggtgagcac aaaaaacata gctgggtggat gtccaggtgg 480
 tactattgtc acaactttcc catcttcctt aacggcctta aatgctctat caccttgccc 540
 tactacatca tacact 556

<210> 40990

<211> 531

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910004c03d1

<400> 40990

gatataaatt atctttgtat tatgggttca tgctgccttg gaatgacaaa cgtatttttt 60
 ctatctagaa accaaacaca acctttgagc agctattttct tctctccatt gccacatttg 120
 cacatctagg ttacttttcc ttgcaaagtg tttcggttca tggcttctct cttcattaaa 180
 gtgaaaactg ttataaaatg aaaaatcctt attgctatgt aaggtttgag tgcattttgc 240
 cgtgcctcat gccttggctg aatagtttga cagcaaagag tacttttttaa cagaagtgat 300
 tcgaaactat gacaaccaag acacatcatc ctgtcctgct acgtcgtcca accaagtatg 360
 atgtaagtgc atccaggtat actcatctgg tacatcaacc tttgcattca tcagagcctt 420
 tgttgaacaa ccccgtagct cattaccaga taactccac ttgtcaaatt tgaccagcca 480
 cgaacccaaa ctaacctctg ctaaagatat acaatcaacc cacactcgaa a 531

<210> 40991

<211> 500

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910004c05d1

<400> 40991

agaaaaatta atttgatgtt tatttagtta taagaagatg tggcattgta aatatagttg 60
 gatctaaaat tagtaggata caggggaaaa gcaaatttaa aaacagacaa ttattttgca 120
 ctatctaata ttgaaataaa taaagaaatg cttatttgat tgaaaataca ttaatttgta 180
 atgtataata ataataataa tgatatgggg ggtataggta caaattttgc taacattttg 240
 tacacaaata ctttctcgca aaaaaacggt gaagggtgatt gattgctcta atcaccgttc 300
 aaaaagatca ccattgaaat caagcctcga agtccaccat caatttggtc aacttcttgt 360
 tgtaatttct ctgttcgata aaactctttc cgtagtcatc actttgctgc aaggaggaag 420
 aggcaccagg cgtcaacttg cgggcgagct gaacggcgtc gtcgtgggtg ttgataatgt 480
 gattgaagca caaataacga 500

<210> 40992

<210> 40994
 <211> 525
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910004c09d1

<400> 40994

ctgtcagaat atgttgattc acacaaaaat tagttgtaca gagcatggat gggaactaca 60
 caaccctat gatacatgga cccccaagaa agattttctga tttatatatc tcaccatcac 120
 aggaaaaaaa aaaaaaccct tgtcctcttg atttaaaaat atataaattg aaaaaaaaaa 180
 aacaataacc tagggacaat gagtaaaaaa aatatgtaaa aaataatgag aaaaatagcc 240
 agcactgaca ttccatgaca cggacatcca tccatgacct tgatttttga ccctagggtc 300
 caatttaca caggtgggta ggaaccata ctgcaacttc tagcttttgc caattgaacc 360
 aacctagcag tggctaccaa ctttgcttgc ttctcgaact tgtatcgtct acaggccaga 420
 tgattgagt atgagaaccg ggacaaataa tagcttgatc cttgaagctt tctgcgggta 480
 agctcgaata ccctgaaaac gcatcatgct attacgtaac accga 525

<210> 40995
 <211> 503
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910004d01d1

<400> 40995

gaaagaacac aacaaaatta taaatttaca acttagaagt taaaaattta caacaatatc 60
 acaacaacc tcttaataag cttcatttac aaattatgcc gctctaaaga aagccaaatc 120
 ctattcatcg atagcaatct aaatgtatga ttgaaattgc aatcatatat atctctaaaa 180
 tcagataaga actaccagcg aataaagctc attgaatcaa taattgtatg tacctaaatg 240
 atctactacg cgggataatg aaaagaaaaa tacaacctag aaaatatgaa ggagttgtga 300
 ttttcattct agcatccaca aaataaagga cattatatc cctaggactt gctgagcatt 360
 cgggtttttaa ttttaattcg aatttttggg gcaccagatg tgccttcaga tggctccgat 420
 ttggtatcta tcttttttat ttctacttta gaattatatc cactgggttc aacagattta 480

503

aaccatcaaa	ctaaaccata	tcgatttcag	taaaattaaa	tatccaacaa	aaccacatcc	60
acttcaataa	agagaaattc	aacattggct	actatgcctt	gtggaaggct	gagagatatt	120
gtcttacaat	ttaacaaaat	taatatacca	taactgaaat	tgattccatc	tcaaaaacct	180
aacaaccgaa	aatgtcaaat	cattgacaaa	gaaaagtctg	gttaacaaac	cattcaatct	240
cccttcttcc	taaatgagca	accttcgggt	aacctcgccc	gtccccctgt	tggttggcac	300
aaaacagtct	ggcagtttcc	gcacaccaca	acagttttgag	agtggctaaa	cacagttggt	360

atgttgaagc atccctggca cttaacatcc atgaagaaag agtttgggtga ctgaacaaga 420
 cgcttgagtt tgtgctttct cttctccaac tcagctggag gattcagcaa atcaatatca 480
 ttctgaagaa ccatngtgag aaagaagcgc tgaaaacctc aaaaa 525

<210> 40998
 <211> 533
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910004d05d1

<400> 40998

gttccaatat aaccctttct tttgaatgta tctatgaacc caatccttgc aaacaggcaa 60
 gttagaatta catgtatatg gtacaaaagg ctttgtactt tcttgtagct gaaggataaa 120
 ttaatcattg catatttgag cattggatat aataactaaac tctggatatac atgtaaaatg 180
 aaaaaaaaaa tcaatagatt tgtttgaaca taactccatg acgaaaatca aagctaaatg 240
 gacaaatatc tcacaccaga ttctagtgtt tgggatttaa ttgctagtct tgtgtcccta 300
 ccacctgcta ctgtccgggg ttccccaaaa gccgctcaac tgctgcatgt acgttccctg 360
 atgtagcaat aagagccctt atgttctctt gcgtgtcaaa gaaccccatc tcttgaagct 420
 gagaaagttg ggtggcatac aattgctccg gtggctcatt tgatctgtta ggaacagcca 480
 ggctaccagc ttcaagtcca ccaaacatgc ttgataacat ctccagcccc atg 533

<210> 40999
 <211> 538
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910004d06d1

<400> 40999

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 aatatatgag gcatctcaga tggccacact atgcaaaaaca acagtttcaa tggtaagtcc 120
 aggtccaaaa ccgaacaaca caccctatc aagtccttca cctgtgggtt tatgtccatt 180
 ttcagcagat ttctctctca tctcatccaa gatgaaaaga acacaagcac ttgacatggt 240
 cccatattca ctaagcacat ctctagtggc cttcatcttc tcaggtttga gacccaactt 300

ttgctcaact tgggtccaaaa tcgcaggccc accaggggtg gcaatccaaa agatggagtt 360
 gtaatcagag atgttcaatg gggtgaaagc ctcaaaaagt gccttatcaa tggtctttga 420
 gacaatcccc ggaacatcct tgaggaggtg aaatgtgagt ccaacttcac gaaggtgtcc 480
 atcaatagca ctttactgt ctggagcaat tggttgtgca gtccaaacaa gtcatac 538

<210> 41000
 <211> 521
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910004d07d1

<400> 41000

attattactt ctcaacacaa gaggttctt agataacaag ttataactaa tggactcaac 60
 aactaatcac actgctcaat aattttaaat ttatgttttc accatccaat gttattattc 120
 aagaagagga aaagatccaa atccaaaaaa aaactacagg tccacatctt gcagatagcc 180
 tccattatat tctcaaacag gtatcagaaa aactgaagg cacatccctc acaccatctt 240
 ggaatgttgg ggtagatcga actaactaga cagggtatctt atatagctga agaaccttct 300
 gccaaagctgg tctgttacta atatcatccc accaagcact cacatgcttc ctgtctctga 360
 ccaaatttcc tctcccggtt tgggtcacca aatagtgacc aaatgggagg tggctaagat 420
 cagcaaggct gaagaagtca ccagccaagt acttgctctt tgacagcctc tctcataaa 480
 catccagcac cttctcaatc tttttatcac tttcttctat c 521

<210> 41001
 <211> 460
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910004d10d1

<400> 41001

aaaaagggtt tcatttttat gtaagcaagc attacaatta gcaattttcg tattctattt 60
 aactattttt ggaacccgaa gataagaaac aaataaagaa aaaatttttt tatcaacgaa 120
 taagtccatc atttatgttc atccaaaaac cattctacgt gagtattttg ggccacctaa 180
 ctaacgcgcc gttcaccgcc tacattaaaa tccagaaagc tcactattac acaccggcac 240

gcgccaacaa cccaagtttt tccgtttcca acaagtgcc agtgagcacc cgagtcaccg 300
 actcactgag tttcctttcg ctcaacctgc tccggggggg agctaccatc gccgccgccg 360
 aacgacgacg gggacacgtt ccccttcttt tccctgccga gcacacctgt aaacgacagc 420
 atgcgactca tcggcgaccg aaacgaggag gacgagtcgc 460

<210> 41002
 <211> 353
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910004d12d1

<400> 41002
 ggaaaacccc ctattaaaag cctatttggt tttgcacaaa aaggggaaaa ttccccaaaa 60
 aaaagggttg gggggaaccc ccaaaaatac aacctttttt tgggaaaacc ggggggggga 120
 aaaaaagggg gggggggggg ggggaaaaaa aaattgcttc cagagggggg taaaaccccc 180
 gaattttccc ccccccggtt ttgaacccc cccttatggg gaaaattttt ggtggggggg 240
 ttttaaaaaa aagccgaacc aaaggggtgg ggaggagtgt tttttcttta ccaatcactt 300
 gtgaaagggg ggggggaaga attttgcctc cgccccctt ttgtgggggg ggg 353

<210> 41003
 <211> 525
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910004e02d1

<400> 41003
 gggattcgtc ggcattgctg tttcggcgtg gctaaatttc atttaatgtt acggcagtga 60
 ggagagcagg ggtacatcag caaatgatta atgctgaatc tcgaatgggt tatgtagtcc 120
 agaactcaac ttagaaaatt tggcatctgt agaaaaaaca atatcatggc ctatctctag 180
 aaatttatac tggggaggaa acatttttaa ctaatgatcc attagcatga tcattcaaca 240
 taatcctact agttctgcct aagaatatac aaaaattaga cccacatata cagggagcag 300
 gacctaggac tttagccaga tccacattaa aaagacaaga gatgaccatc ttatgggatgc 360
 aagtcatact aactgtagaa ctcaagtctt ttctggagca tcgccagatg ctcttcttgc 420

actgaggttt ccgcatatg accaaaccct ctcaaactca gatgtggcca acttttcagt 480
 cttcgaatct gcaccctcct ttggagcatt ctttttcaca tcatg 525

<210> 41004
 <211> 529
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910004e04d1

<400> 41004

aacattacaa acaataaaat tgagttaaca agaataaaag gtatacacga ttgtgcgtct 60
 aagcatttac cattttatgt ccaagctgac ctgatattga tgagacatat tggatgaatcg 120
 aaatctaaac atctaagctg atacaattac agatgaaaag aactacacta gtataatata 180
 atttgttgat cgtttatctt tgagcctgat cagcagtgtg gttgcttggt gtagatgatg 240
 atcctgttct accattcaat attccattgt gcgttggtgg gcagggtccc cacttacct 300
 ctgactcggg cgtttctatc actttgacag atccatccgt caaccaacc gcaaactggt 360
 tgggttctag aggatgagca gcaaccacaa gaggatacac accttgactt ccacttaaag 420
 ctgccggtga caagcatatt gatggagcaa tacgacatct gagcctgaag ctatcagcat 480
 caaaaacacc aatgttggca tcacataatg tagcatatat taactgact 529

<210> 41005
 <211> 506
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910004e05d1

<400> 41005

gaaattaaac tgtacgttta tctaattaac caagtatata tagctttatg tatggaatta 60
 agcattaatt gtgtactata taataatttt gtacgtagct agctaaaagt gaaaaaaaaa 120
 agactaatct taatttggtg ttgattatac tcaccatttt aatctcaatt cctcaaatca 180
 agaattaata tatataatct atcctgccaa gtcatgcaga agctgtgctc ccatcaaatt 240
 cctgtaaggc aggttttgtc cttcaccgtc caaaagagag tactgatgaa ctggttgaca 300
 atcttcaatt tgggcccttg gatagtagag tgaactctgt gttgctggcg ggaacgctag 360

actcacccca tgttgctgta accctagcgt caaagacacc ccactctggt tgttgttccc 420
 attctgatca ctacttccgt aagaaacat gcccgaggag tgggtgtgtgt atgatgaaaa 480
 atcaagctcc actgacccaa agcact 506

<210> 41006
 <211> 522
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmro02910004e07d1
 <400> 41006

attaagaaat aaatttctta gatgatcaat gatacaaat gtaaataaaa gctattttta 60
 caactatgaa tacagtcaat acacaaaaa tgaaaagcat actttcccta accaattatt 120
 tcagtaccct accctcccc aacaatatct ttggaatttt ttttatcaag caaaatatga 180
 tgacgaggag gatgtatccg ccagaatctc aagttgctct tcagtaaata attctttctg 240
 aacattccat gtatcagcat gggtcgccc gaactctgca actgcttttag taactgtaga 300
 tttcacgggt gatggctccc cactgaagcg agcaagtagt gtaacatgat caggcaacca 360
 actgggcatg tcatatgggg ctgataatac agaagctacc aaagctagta cagcaccatg 420
 aacagatgct attgataatc cagaacttgc atttctcgac tttcttctct tctgtacaat 480
 attgcctnc ttataagctc tatcatggaa atctctagca ag 522

<210> 41007
 <211> 498
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910004e09d1
 <400> 41007

ggaggaaaat agagtaagat tgagttcaat attgagcaac ggtgtcaata ccaatgtatt 60
 gagcttttaa tattatctta gtaagcaata acactagcat actaccagat aaaaagatga 120
 tagtaaacc taccaattat gttatttgggt gcgtaaagag catagtatct cctagaaaag 180
 atggagacag tgagagaggc cattcaaatt ttcacaggac tcattttttt atgtaactta 240
 aagacaaatt gaacatggtc tttcttcgctc tttatatgtg attttttctc aaaaagcac 300

ggttcttctt gaaacttgtc caagctcctt aaactgtata gtgctgctga atcgtgtcaa 360
 tgtcaagccc cttcagcttc accactgact cgacatgtcc ctttagagta tgaagctccc 420
 taagccttgc aacttcagca cgtctcttgg cttgttctgc aatctctgaa agctccctgt 480
 agctatTTTT gtcattga 498

<210> 41008
 <211> 525
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910004e10d1

<400> 41008

gaaagtgaga acacacttta ttatatgaaa accgagagca tccaaatata atagtgcaga 60
 agttcaggca ataattacgc atagacatgc ataaagtcta tgttattcag aagtacaaca 120
 tagataagga aaccacaaac tctttttaat tagatagaga tactgttggg aattcctttg 180
 aaagtcaacc cttcctcact tgaacgatgg agcaaagtgt atggcagctg aactggccca 240
 gtccggtttc tcagacttgg atcactgttc cttgcattga tttttccttc aattccagtc 300
 agtttgcttc caaacctttt gaaagcttct aatgccttct tatcagtagt ccaatttgga 360
 gtctccctct ctccaaggta tatctcatca gaagcatgcc ttgacaatat ctctatcact 420
 gaaagatcaa taagggtctc aaacttgggt gtgattgttc tcagataagc cttttgagga 480
 ttcttcacca tctcatcata ctctgggggt ccttcagctg ggata 525

<210> 41009
 <211> 505
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910004e11d1

<400> 41009

gaggaaaaga aagaaagcac atgtattatt tcaattggta atatgaaaaa aatatgatca 60
 atcagggtaa caaaaacatg aaatcaaaga caaagaaatt tcaaactttt gaattgaaac 120
 accatcacga taaaccctac ccctcccaga atggaagaca cttatttcct ttttctccat 180
 ttctgccctt tgtgccgaac tttgagtgc acaattaagt agagagcggt atgattgaac 240

ctaaticcttg tacttcattt cagataccag gaagccaggc atgtcaaagtg tggcagagaa 300
 cttctcaaca tcagctttga gatcttcaat ggcttgggtg ttgacgaggc ccttgttgaa 360
 atccttgaga agtttgccat gctccttctg gatctccagt gtgagagtca cagcacgggtg 420
 aaggaactca ccaatctgct caaagtcctt ttcaacaaaa cccctagaag tcatggcagg 480
 ggccccaatt cgcaactccac cgggg 505

<210> 41010
 <211> 504
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910004f02d1

<400> 41010

aacccaaaaa tttatttttt tcccttttca gaatcgtctc atgtgtgtta agatgacaat 60
 acaagtggat aagatgacaa caaaaaatga gtatgaataa tgaactggaa atagggaaac 120
 aatgaataat gacactgctg gctctcgtat aaacgtgacg tgacatacat atatctactt 180
 agaccaagca actgcatcta tttcagcttg tgcactccgg tataactcta gtctctttgc 240
 gagcgcaacta cgttgtttca taattgcagg atcctcattc aataacgatg acagacgctt 300
 ggtctccatt ttgcctagct tggtaaaaaa gtgatcaagt agacttcggt ttgcctcccg 360
 cacttgacaa tagacgatgg acttggaat tgaattccgt agtgtagcac agaccatatt 420
 gacatatgac aaaattgtgg ttccaattcg ccttagatat gaatcattat atctatcaaa 480
 aattgaatgt gtgggattgc cacc 504

<210> 41011
 <211> 540
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910004f03d1

<400> 41011

gaaataaatt ctctcatgac atcatgccat gtattaattg taagcttgct acattatctt 60
 aaaggttgtg acttctgttc tttcacaggc aacaacttgc tcaacaatct atatactcat 120
 ttcctaattc atattggtag gacttactca aagtggagat tcctgaagca ctatgagcac 180

atgaactcct acatactaata aaataaaaaa ttacacgta atcctaaaac tgatatatat 240
 ataactttgc tgagactatc tcctttggaa attcaagaat ttgatgccat aggcaaaaac 300
 gaacatgaag aggataaccc agcctacatg agcagcagca acaacgggaa ggaaatcata 360
 gtcaaaaccc aagttttgtt taaggaattc cttcaatccc atgcttccag cacctggtat 420
 ctccaattct gcatttttgt caccagttg tgaggtaata aggccatata gtgtccaaga 480
 aacaggagaa gcccaataat accatctcca ccacacagga aattgcgtcc tatgaatgat 540

<210> 41012
 <211> 528
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910004f04d1
 <400> 41012

gataataggt acatttgtat ttattgctg ctgttacacc ttgacattta gctatatgca 60
 acatcataat ctatttcaaa gtttactac tatttgtag ttaatctaca tgcttgttg 120
 agataactta caacacgta aaaatctatg ctctggtaaa tcgtaattga aagttaaaca 180
 actagaaacg aacacaagca tagctggaat gtcctatagt agttgaaatt tagataataa 240
 aatggtaagc tttctcaca cttgttcttc gtttctagt atctccatt tcaaaattgt 300
 gggcgctgat gacttctga gtgcaattgc aattttctt cttagcattg gcctcattta 360
 ctatttgctt cgccagaaat atgggctctt gagtatttgg gcttcgtggg ctacaatctt 420
 tgcttttggc ccacaccaca gcatatagc ccaaacaat gataacggca ccgatcacc 480
 ttgcaaggaa cactcgttcg gccagaatga agtagctcat gacagcca 528

<210> 41013
 <211> 278
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910004f05d1
 <400> 41013

aacattcatt atatcaaact aatttccaat ttcaaattc cgtcttattc attttcctt 60
 aaaatgagcc ttaacagcca taagacaaaa tgggtataat gattaatgaa ctaaaaaaat 120

<210> 41016
 <211> 459
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910004f12d1

<400> 41016

aacataaatt tttgaataga attttattac agacaaaatc gttctccaat gcatgaatta 60
 tacaattcaa aacaaaattc gaccacttgt gtgtagacct tgcacagtg taaataaatg 120
 gcttgacttc cgactatgca attaacattc ctcaagctca gttctcaa acacttagca 180
 aaggaaagt gaaaagataa gctgaaaaca ggaaaaaatt tcaattcaat catcttaca 240
 acagcaaaat ttgtagtga atgctgcagt cttttgccaa acaaaacaag atatatagca 300
 atgtgatagc tgtagacgcc aaatttcagg tcccccaact ttctcagtat cataatcata 360
 ataataacta taatgatgaa aattttgaaa atggggcaga ctcatctcac ttattatttc 420
 tctactttga catgtcacca gaagagcgaa aacaaatta 459

<210> 41017
 <211> 472
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmro02910004g01d1

<400> 41017

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 agtacattct gttgtaatgg caaatggaaa ttaaaaagac acacaagggg gagctgttgt 120
 gatgtcacca gctattgaac cctaagaatt gatccacaag cttagccaca cagttggcaa 180
 gtgtatcacc tgcttcctgt gtggatgcct cagcatacac acgaacaaca ttttcagtgc 240
 cagatgggag cacaagcat cgaccttggg ggctcctaac aggttcttca tttatggctt 300
 cttgtagacc cggagggctc acaaccacag tttctgcatt tgttgtaaca acagccgttc 360
 tgtcaacaac tttgaccttg agctgggtgc tgggtaaadc atgataaagn tcattccatt 420
 tatttattga ccatcccata tgctggaata tgacttcac caagagcaat cc 472

<210> 41018
<211> 555
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910004g02d1

<400> 41018

atatatatga tagtaatata tatgattttc agtataactta tttatacaca gaatctccat 60
atccttccct ccaaagaaat aacaatgatg gaaacatcat catggtaacg gcgcctatca 120
ccctgtggaa tttcgagcaa ctggtgaaag tccaaaccag ctttctttgc agcacgaaac 180
aacactttctt caaccaaagt ctgagccggg tctccctcgg gttgcaatgt gatgaaaagc 240
tcgacttcag ccactgcctc ttggtttgac aagtactgat agagcccatc agagcataga 300
atcaaaaatt tgccttttgg gcctaactctg tgggtgtttta gatatggtag gcagcttatg 360
taaggagagt ttctacgta gtctattcta aacatctcca gaagtgcgtt gttccacttt 420
ggctgtttga gaaatccggc accaaatgct cgagtaactt tgagagaacc cttcacacgg 480
tcatttacia cagcaaaaagg atcatccggg tgctcttttt aattctctgg attcttcctc 540
acactagtac tatga 555

<210> 41019
<211> 502
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910004g05d1

<400> 41019

aaacgcgtta taagtttact agttttctag tcgaatcaac tgggctgttt tttttttttc 60
ttcactcagt gctttctttc ctgtgggtcta tgaaattaag caaataatga catacaaatt 120
acaatgcccc tgtgaagcga caaagcgaga cacagcgtag gcaagcaaag ttaaacttga 180
cttgaagctg tcaacagagt atgtacagat atagacagga gtggaaccaa attatttgat 240
aactccatga aagcctcctt gcttgtgtta aattgacagt agcatttggt gtgagccagt 300
tctacatact aattgctcct gttatcattc atctcgaata gccctcaata atcaaacttg 360
cttgtgttga aggtatagta tgtttacaac caactgaatt ttgcaagagt acagtaacgg 420

gcaaaacccc ctttgctata ttactggtt ggtcctgagg gcatagataa accatatttc 480
ctacttccaa gtagatgcag ag 502

<210> 41020
<211> 466
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910004g06d1

<400> 41020

aagaaagaaa ttggtgggt ctcatgtgga cccatacctt ttacacctta ttttaataat 60
aaaaaattct cttcaattta catctctatt ttattctct gaaccaaaga caacattagg 120
catgttcccg gcaaagtgga atcacatact agtacactag ttacaagcta gcagacaaaa 180
atgatgatgc ttctagctgt ctttaagctt cgccacatg agcaataact cctacaccag 240
cattgtgaaa ccattcattt ttcacctgaa aatcagacaa gcactcgtgt taaaaactct 300
gtatcagtga taccatcatc atccgacaga ttaaatggat gcagtacatg aatgttggtta 360
tgagcaaaga aaggccagaa tgctgagtga aagctgacat caactttttt ccatccaac 420
tgctgtaatc ctgaatcat ctcatcttct acaatttcat gatatt 466

<210> 41021
<211> 463
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910004g12d1

<400> 41021

ccaacaaact attttcttcc ttgtattcca taaatcaaca attacaggaa ttcctaatt 60
aatgacgaa ttcgtaaata taaatgctaa caaaagagat agaaacatta aacttaaaag 120
actaggacac ataattgaga gaggaagaaa atgcttctat atcctaaata cttacaaagc 180
attacacaga tatacagaag cctattcctt aaaactaata attagtatca caaagtaatt 240
aatctaaaaa gtacgaagac taatcccagt agtaacatgt atgtacggca atctgaagaa 300
agttctaaac aataagagac ttgcattcgt gacacgacct tcccgtgaa aaaataagag 360
aagatcgagc actacaatgc cctaataacc aacaacctcc gttcaaatcc ttgttcattc 420

acaaaccgcc acaggattag ggaaaatcaa gccgtaacat ttt

463

<210> 41022
<211> 574
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmro02910004h02d1

<400> 41022

gtgaaagatt tttatctatc ttcaaattgg aatcacagta atggctgatt agcatccttg 60
gctcaacaag ttaatacgtt ctgcaggat tcaagtaaga aacaagttcc 120
gggaaacaag ttgtgggaaa caagtctgat atccttctaa caaattaatc aacctcctcg 180
catatgtgca ccaagctcgc caaactgac atcagcctcc actgtatctt cagatagcct 240
cacagcatcc agcttctgct tgagaatttc tatggcattt agaaccaatt gagaagcttt 300
aaccgctcca gtagactcca cagtgaatat gaagctatcc tgcctcgcaa tgatttctac 360
aagcccaggc ttgcccatac cttctgcttt ctttaagcacc tcatcatcat atgtgtatgc 420
ctcagcatca accaccatca cctgtngtgt cactggatca atttcaaaga cacgggttgg 480
actactgtca acccattctc ttttctcttt cagagtcaag ggttccatca aatacttatt 540
tatatgaatc ttcggttcat acatgaaagt gaca 574

<210> 41023
<211> 487
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910004h03d1

<400> 41023

gaatgacaat tattatttaa aaaaagaaga aaagatagaa tatccttcag gtaacttcgc 60
agccaaccaa tcttccattc cttttactac acttctttcc ttgttgtctt cccaaaaaat 120
ttcaccaaaa gaatatgtac cttacgaaat taaataccta tctcaacaag atatgtaaag 180
ggatcaatttt gactagacta caagctgac cagctgcatt tgctcaagcc aggctcctaa 240
aacagaatgg tcaatggatt caatttggga atttgaattc ggtccatcag cagatgcagt 300
aggcatagga gatgcaaact tctctttgat catctcaggt ggggactcct tcaccagaga 360

ttggacccaa gagagatcag gctcttgccc attgttcttg cgctcaaacg aggatgatct 420
 tcgcatctga cgaccaaggg agtctccatt tactgaccaa tcagctttcc caataggaga 480
 accccac 487

<210> 41024
 <211> 512
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmro02910004h04d1

<400> 41024
 aacacaacga agtttatgta acgaccatat catcctacat tgtataatga agcatgccac 60
 cggtcatttt tcttctcagt cagggtggtgc cacaattctc aaattcctag acagaagaac 120
 ataaactgta ggcactttac aaacacaagg aatgcagtta caatttacat gcagtcaaga 180
 tacatatagt ttctccgtcg attgtactga agaaggcttc cataggtgcg atcccagaca 240
 ccaacaaaaa gtgattctgt gtcagggcta aaagatacac cacagatctc cccaaaaaaa 300
 tcgatctcct gtccttctc aaaccactc tgtgcatcat atacatgcac aaagtcagct 360
 ggctcggcca ttgccatgaa ccgaccatca gatgtaaacc gtatagaacg tatagctcca 420
 aggttgccct taagcacagt gacagacttt gacaagttcc taacatccca aacacggcat 480
 gttntgtctt ggttcccagt agccaaaatg cg 512

<210> 41025
 <211> 511
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910004h05d1

<400> 41025
 gacagtgtca cgtatattag ttttaattatg caataactga gacgtaatca gtggcaagat 60
 ttcccctgtg gcaccttgaa acaaccccac cccgccaatc tacatagaga ggagcttatc 120
 ttgcaccatt tttaggacca cacattccct tggatatccc acttgatatgt gtcaagcata 180
 catacagaaa ttacatacta cataaacaac atgggtcttag cagggtgctg atcctatacg 240

gagatgattt taccagtacc aaatgataaa gctcacaaca tagatattta tacaaactcc 300
 ccttagtgca gcatcacatc acatccacaa tcaggcatat ctttgtattt aacggctgga 360
 tggatatata gcagctacag ttgagaccat ggaatctact tcacacacat taagaccttt 420
 gtagatcgtg gaatatccat tgtctcccca ggtctcgccc tatgaattct taatgatcca 480
 gtaagggttg ttcttaaaac gaatgggagc a 511

<210> 41026
 <211> 513
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910004h06d1

<400> 41026

aatatgaact ccacagaatc agattaacgg ggtgcctgaa catttttggt tgtaccttaa 60
 tattacatcc aaaagacagc cactacattc tgaacatac aggaccacat agacaaatat 120
 catctttgta acacatacat ggcagttgag aaagcttggt acaccttgaa agctaataatc 180
 acacatacag tacaaggaag aaagaataag aatggtaagt aattaatgaa aaatcatagg 240
 aggtcccgtg ctagagtcac tgggttttct tttataatgg tgagttcacc accatttgat 300
 gtagttagca gatggtgatt ggaatcctcg tcttactct cctctgaatc tgagaggcca 360
 tcagattcca gttcttcgtc gtcagaaagt gcaagatgtt caggcagatg tctaacagca 420
 gcaacctgaa ggctttctgg cagaagacaa ttgcaaaaag aaccaacacg agccagccga 480
 tttatccatg caggaatagg ctttccagtt agc 513

<210> 41027
 <211> 502
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910004h12d1

<400> 41027

gaacagccag ttaaacttgc caaagctttc atttattgaa aagcatagca acacttattg 60
 agacaaaaaa ctgatacatt tcttacaatt tttaatatca gttcactttt aagaatgccc 120
 ctatctctgt gcttttgcaa caagggtttac cggaacaat gttcaccctc aaaaagaaaa 180

taggagagaa gaaaataaac atagtttaac ttacattaat aaaaaacgat agattgcacc 240
 cgcaaaaata tctgccacaa tgcgaccagg agccgaatgc tgcgaagggg ggaacttgga 300
 cttgtcatca aagtgaatta actgccaaact aaacactagc cagaaggaag attttatcca 360
 aggccaatta ctggtttatg cacccttctc atcttcagag aagcgcttct tctggccgta 420
 atatgggcac caggggttct tgcaaatctg agtttacggg aaacagatta cactgcgcat 480
 attgtgccat caattggtcc ac 502

<210> 41028
 <211> 571
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910005a04d1

<400> 41028
 gataaaactag tagattaatc ataggttagca tgcagaatga ggtttcaatt gcggttttaa 60
 gtcaacaaaa gaaccataa aagcaagaaa acaagttgat gactggtact gatacaaaac 120
 gcacaatgat aaaatgcgag acaacttatt catacaaaag cagcaggact acttatttca 180
 tataaagctt gctcttcact tcagttcttc caagaaatca acgttgtcaa ccaagacagt 240
 tttccatcca tctggatcta aaaacgaagt ggtttttgta ttaaggccag gaattggccc 300
 tggttgccga gtaatcttcc ctccaacctc ttttatgact tggttaacta cctcagcact 360
 cttatataca tcatcagtac caatggcaat ctgtgcataa gcatttcctt tagagtattc 420
 agtcacacca tagtttatatg tcaactccaa cacagttgtc tcgtgctcct ctccataccc 480
 gagcatagct atagtgtact tgtactcagg cttatcaacc ttccttaaca ccttcatgcc 540
 caaagccttt tcataaaaact taattgagcg c 571

<210> 41029
 <211> 545
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910005a05d1

<400> 41029
 gaagcaaatg attcaaattt gatattcagt aacatgattt gaaatcttga cataatcagc 60

accagaacaa ggggaaaaaa aatagcattt gagctttgaa cctccttatc tgggttttctt 120
 ctccagcaat aataggatca tacttaccat ttttcactcc tcctaagtta aagatgaaag 180
 gtagaagata catcaacaag cttcctaaca ataacttggt tcaaaaagtg acaccaacat 240
 gtaacatatt aatacaaaaca aagatcaaat catcaaatag cagaagggtg tcttaatcac 300
 aactcaagat taccctccaa gtgttattct gagattgatt tcaagctctt cttgttgctc 360
 aaagttcagg tccccatcac cgcacaattg cggataaagt gattaagctg aatgctgcca 420
 catccaattt gcctccacct caattttctca tcatcaggat cagggcagca agtgtacata 480
 gacaaggcat gcactatgtg tggcatagaa ggtgcaccaa taacaagcaa ctcatcacca 540
 agaga 545

<210> 41030
 <211> 477
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910005a06d1
 <400> 41030

gccataataa taataatgaa aatgaaaaca accaagttaa aaaaaaactg tatcagcagt 60
 caagactgta tccaagacca tatataacat aattgataat ccttaaggac atcaaacaga 120
 aaaatcccct gaaaacgagg tctttgagtt cacaaaagga taccctataa taaaaaccta 180
 tatatagtcc tatactactg cattagctac aagataaaat aaactccaca taagctttta 240
 gcaggtttct tgctgtggac tccatcacca acatcacgat cacaattctt gtagctttat 300
 ttacataaaa ggggagataa aggggtgttca gaagactcct gccatggaag gcaggtcgctc 360
 gaagctccaa aggttcatag gggttccggc ggcgtcatga gttgcgtctc cgccgagcaa 420
 agacgccaat gtagcatcag cccaggcttc atcaagaaaa gaaggggtct caaagaa 477

<210> 41031
 <211> 510
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910005a07d1
 <400> 41031

agcaagaaac tgagttattc ttctatataa tcatccaaat gtgttacccg taataagata 60
 gggggaacaa aataatccac actcattgga tattctacta tataatcatc caaataaata 120
 cactgatttc ctatcgctac aagggttaatt gttaccccat ccaaaacaac acgctaacta 180
 gtaataagca atcccaaata agtcaattac cgggtggtaa cccaggcttc tacagggaac 240
 taagctacat tttcaaactg ctgcatgata ctcatctata gtttgtttca ttgcatctaa 300
 ctgtgacata ataaattcca ctttcttgcg acaaattctca ttggcgattc ttgaaccata 360
 gtcacatttc tcaaattggac gatattcaca agcacttttg atttcatccc gcaatgcaac 420
 ctgaatgtcc ttgattaatt gcatgaactc aggcagtggg tttggaccac atcctttcta 480
 ggaccaacag ggcttgcaag ctcatccatg 510

<210> 41032
 <211> 401
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910005a09d1
 <400> 41032

gacaattaat catttcatat ttcacacatt cataacaaac gtagggtggga tattagagta 60
 ctattattaa tgggacacaa ttgagttcaa cacaaaccga acttattttc aaggggacatt 120
 attacagaac ccattaaaca tcaaagttct tcaaattgttt tgggaacaca tccaacatta 180
 cacaacgagc ttaaaacccc ccacggagac ggaggacaag gtgaagggtt gattccttct 240
 ggatgttgta gtcagcgagg gtccttccat cctcgagctg cttgccagca aaaatcagcc 300
 tctgctggtc cgggtgggatg ccttccttgt cctgaatctt ggccttcaca ttgtcaatgg 360
 tgtcagagct ctccacctcg agggtaatag tcttaccgt a 401

<210> 41033
 <211> 569
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmro02910005a10d1
 <400> 41033

aactacatat agaaaaagca aatgctttta ttcaagagaa acaactgtgc attacatttg 60

atactgctct caggactatc aagaacaaag agcatcatca tacagttgac gaaggtgact 120
 gcaaagggtg atgtcaagac agccaatttt tcagcanaaa aaccagaaat aaaactgata 180
 acttcccatt gaacacaaga aacaaatgct ttttactcat gagaaacaac gagcacttgt 240
 tttccaacat tgggaccgct aaaaaggcca accaatgctg aagggtccatt ctcaagcccc 300
 tcagctatgt cttccacata cacaaccttc ccctctctga tatttggcag gagaaactcc 360
 aagaacttgg gatataggtg aacgaaatcc atgaagttaa agccttgcaa acgaatccgc 420
 ttatatatga tctgtgcaa atttgttaca ccttcatgtt gagtaagatt atactgtgag 480
 atcattccac agacgggtat gcgaccacgg actctcatgt tcaggagtac ggcgtaagtg 540
 tcttgcccc acattctcaa agtaacatc 569

<210> 41034
 <211> 530
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910005a11d1
 <400> 41034

ccaaaaaaca agagcataag aattatacat ttcaaacaaa tatcttggaa aatcttaaaa 60
 tgcatttggg acacagtgac agcctggcct aaagcaaata attttatcga caactcacta 120
 ttaaataatt catcatcaaa atggaactag agacaaaaca agaaaataaa acaagagaaa 180
 ataccttaca tacagctata agcttaatca gctaacatcc ctaagtcttt ttatcaatgt 240
 atccaatgat ttcccttttg gattctgcct cgccccacga ctaccaaagg ttccaaagag 300
 ccgatcggaa ggatccctca acttttctga aacaatcacc actttcttgt ggtccaaagt 360
 attgtaactc ctctccctga tcaactggatt caagaagttc tctggatgat tgcttaacag 420
 caaattaatc agttgctttg agccggcaag tgatgctctc agaacatcaa catccgcatc 480
 agagaaaagg gaggcctgat tatcagcaaa tgattctaag agccggatgt 530

<210> 41035
 <211> 287
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910005b01d1

<400> 41035

gattagcttc tttttattat ggactataag cataattttc cgtgttggtga ccgccaaaga 60
acaagaagaa cactgttaat catccctcaa agaatctccc gcggttgaaa aaaaaaacac 120
cgctccttac gaaaacggtg acgcccgaag gactgatacc cgcgcacaaa aagctgaacg 180
tggaaggagg gggaacacta caggatatctt tcttctacga agaaaaaaca gatgaatttt 240
tttttagatc ccccgagagac cgcaaaggga atgagccctt tttcaaa 287

<210> 41036

<211> 480

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910005b02a1

<400> 41036

atctcaagag acaacaccga caacatcaaa atcattaaga aacattacag atacaaagta 60
atgtgttgaa tacaatagga aagtaaaccac atacaatcaa cttacacatg cacaacaatg 120
acaaggaaga aaaagagtgtg aagaagtgtg tatacacaat tacacaccac aacactcact 180
caatatacca aatttaagat tttttaacat taggttcgag tcctaattcc tttctggttt 240
tcccaacaaa caaatccctt gacttgatca tgccaggaag ctttccaagc acagtcatga 300
atgggaactg tgcaacagct attttccttc caagtgaac tatagatatt ggtggctgtg 360
ccttgatgtg tcccaactta cgctctttgc ctctccctc tatcaatagc ttcaggttct 420
tggcaaccac ttgagcatga gcaattgcac acatcccttg gttgatttct tgaacatctg 480

<210> 41037

<211> 391

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910005b02d1

<400> 41037

gggggcccac aaaaccaaac atcctttcat taaaaccggt ggggtgattaa aaattttgcc 60
cctgtgtcca attttacctt tttccccgtc aggggttgccc ctttgattcg atttcttttt 120
gccccctttt acaaagtgtt gccttgcatc tctgaatttc ccccaaacca accaataact 180

tttgggggag gaaggggatc ttccccccctt tcctccaaac aaaggctttt ttcaaccctt 240
 ttaaaagaac caaaagccca aatgaaaacc aggggtttacc agacctttta ggaatcctcg 300
 ggggttgaaa tcaaaggggg gtcgggttcc ccgttccgag cttgggtttc aatttggggg 360
 ggaacctcct gctggtgcga aaatagcccg g 391

<210> 41038
 <211> 497
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910005b03d1
 <400> 41038

acaatgcaaa atgttacttg ctacaatggg tataggctctt catttccata acatcgatcg 60
 cttaatatTT aaacacaatc aaccttgtag agtccatgat gcacctggac taattcttat 120
 gaggttcatg taatgtaagt gctgccacct atttccggtt ggaaaaatta ttcccccca 180
 cgaaatgttt aagtatgtaa tcttctgcta ctgcgattgc acatcatctc gtgattcact 240
 tttggaactg atgccgttgc catccaatca cacctttggg atctggttagc ccacaaacaa 300
 ccattttaac cttaaagcaa agctttcgca attatacaaa tccgtaatta ttattcctac 360
 attgaaacac atggattaat tattatcaac aaggatatgg tgtaataatc ttcatggtgt 420
 gatataaagc tggaagacca tcttgccctc aacaatctcc atcttaatta gaaatttcct 480
 tgtggaaatc atatttc 497

<210> 41039
 <211> 566
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmro02910005b04d1
 <400> 41039

cgtgacaaca gttgttttat tcttacatta ataataataa gcaaagcaaa agctggtggc 60
 tggtaaacia gaattagaaa aggaaagggt ggaaggagat gcatttattt aaatagaaga 120
 aaagaaggct aaatcataga gggttatacgg aaccttgcaa tcctaaagta actgatatca 180

tgggatttag tttctccatg gacagcaagc tccgtcaata tcccgccaat aacgggagcc 240
 atcttgaagc cgtgaccaga aaagccggct ccaagaacca catccttccc aaagtcccca 300
 cccaagaaat caatgaggaa atcctcatct ggcgtcatgg agtagatgca agactgtttg 360
 atgacgggct cagtggattc aaccatcccc ttgaacgtaa actccacca ttctttgagt 420
 ttttccatca tcaccgctgc tccccacggc ctcttatccg ggctgcacgg ctcnccccg 480
 tgcacaccaa ccttaatcag ccccgaaaac tccaacgttg gcgtgccgta gacgtaaata 540
 tctttctgga agctcgcgaa tgtcgg 566

<210> 41040
 <211> 519
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910005b05d1
 <400> 41040

gttaacgaaa atgaaatctt aatattaaaa tacaaggat tacacccacg gcaagctaca 60
 cccaccggga aatgtttggc catacctgcg gccaaagcgt gcagatataa gcaacggaaa 120
 gataaaacgc ttttgagcta caattttact attctagctg ccatgcttga tttcattatc 180
 ggctcacggg gaagatatac tagtatttgc aacctccttt aagcatcttc ttaccattga 240
 attaataata aagaatttta atgtgaagtt ttctaataatg aaaacaatga atgtggagg 300
 gcaaatgata ttactcggca accaagatag agaagcatgg gcagctgcac acgtacaata 360
 tttcaggatt ccccttatct ccttcagttc ccacaccctt ccctctcccc aattattttc 420
 ccgttgaggat accagtttac catgggaaaa tattgtaggg gtgagtttct agtaacaaat 480
 cgtagatcaa cttccattct gcctactact aatatacgc 519

<210> 41041
 <211> 347
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910005b07d1
 <400> 41041

gcaaaattgg accctaaaat tattttatcc agagtaacaa ttgcaaagg ggggctagtt 60

ttcaattttc aaaccaatgg ccaatttgaa aacaggcgtg caattcatga aagccaaaat 120
 ttatttagcc taaacccaaa aaccttaaca aacattatct tcctaattcc ttccaaattc 180
 taactaggcc acttaattaa cctcctaaat tttggggcca gcaccattac caccagcagg 240
 gggagcatta ttatcgacgt taccaccagt accagggtcg ccttgggaca ttttcgctat 300
 aatgggattg cctttgccct caagcttctt cattttggct tcaaatt 347

<210> 41042
 <211> 597
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmro02910005b08d1

<400> 41042
 tcgcatcta gaacacccaa caaattaaca acaaaacaac ccattcttag tcagaaacca 60
 caccaagaag tttccaacat gcaaaatctc aatttcctct acctaaccat catttccttc 120
 actctcatcc atttcactg catcctagtc caagcacaaa cctcacctc agacattgca 180
 gcaactcaaag ccttcaaggc ctcaatcaaa cctcctcca tcaactcctg gtcatgcctc 240
 gcctcatgga atttcacaac cgacccatgc tcaactcctc gccgaacctc cttcatctgc 300
 ggctcacct gcaccaaga ctccacaaga atcaacaaa tcaactctga cccagcaggg 360
 tactcaggca cactcacccc actaatctct caactcacac aactcaccac atttgacctc 420
 gctgataaca atttctttgg cccaatcccc tcttcaatct ctntactctc aaacctccaa 480
 accttaacct ttcatccaa ttcttctctg ggcacaatcc ctccctccat aaccacctc 540
 aatcactcc tatctctga cctcgcacac aattccctct ctggtatctc caaactc 597

<210> 41043
 <211> 463
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910005b09d1

<400> 41043
 gacacataaa tttgattttt taaaagcaaa ccaagcaaaa attgaacaca aatataaagt 60
 tgacatttaa aaagcaaacc aacaacgcaa cggcaaagcc ctaaaactcg ctgcgcttaa 120

caaaaatggt aatcaggggt tctcaciaaac acaacacatt aaaacagaat gataaaagga 180
gtcttgccac cgtcgatcaa gaaccaatt ctgggaacaa aagttgag atgatgggtg 240
agacttcaaa ctatgtccga aaaacaagct acctagaaac gaagacacaa gggcaagaaa 300
ccaacattta ttgtaacat aagaaacgac atccccgat gaaccaaacc gcacgattca 360
cttcttcttc tgggcagcct tgggtgacct ggctccagta ggatccttct tctccacgtt 420
cttgatgact cccacagcaa ccagttgacg catatccctg aca 463

<210> 41044
<211> 441
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmro02910005b10d1
<400> 41044

gcacacaata attcccatgg gggaagcttg cataaatccc cgctggagca tacaatcacg 60
ggtgtattgg atggacaagg tattttttgc ttaccggctt ttcaaaaatt ttaagaataa 120
taattatgct gggttcacaa tgaaaattgc atctttaatt gagccaagag aaaagaataa 180
taatatacat gcctagctat tttgatcaag caattaaatt ttgaaaacag cctatcagta 240
gcgcaatcag agatgaaatg aaatatggag caccaaaaag agagaatgag gtttactgca 300
gcttttcccc cttaccacc aaagtaacc aaattagaag gatttaaaga tttgtagatt 360
gattggacag acacaagcaa aactcttccc aggggccaga ataagtctaa acatagcaag 420
gagactgatg caacttcaac c 441

<210> 41045
<211> 463
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmro02910005b11d1
<400> 41045

ctaaccactg ggcaaaaatt ctccttcagt cagcgatgac tatcataact gacattataa 60
aatttatttg aaatataaat gaagagtaag cccaagtaaa cagagaatca tggaactgtc 120
cagatcctca tccttatcac aatggacata tagtattaag tggacaagtc aagaagttga 180

gttcatgaaa taagcaatat acaatatagc aatactgtaa taaaaggacc agtcctttca 240
aattaatact gtgccacaaa cttctcactt gttcctacat ctgcatctct tagaagctag 300
ggtttccacc accaatctta gatacttggc ttcaagttca ggtgagatgc tatcttttgt 360
ccaagagaac gatcagcctg agaccagtat gatatccaga tgctacggat ttcattgggtg 420
acacgtgggt cagacaaagc atcaacccat cggcggacaa acc 463

<210> 41046
<211> 128
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910005c01d1

<400> 41046

aattaacttc tccttttctt tcaaagcttt gactttttgt tcatactcta tttcttttctc 60
tttaagcttc tctgctttct tcccgaaggc ttgttcccgt ttcacaactt tctcctcctt 120
ggcttgga 128

<210> 41047
<211> 430
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910005c02a1

<400> 41047

aggtgggata ttagagtact attattaatg ggacacaatt gagttcaaca caaaccgaac 60
ttattttcaa gggacattat tacagaccca ttaaacatca aagttcttca aatgttttgg 120
gaacacatcc aacattacac aacgagctta aaacccccca cggagacgga ggacaagggg 180
aagggttgat tccttctgga tgtttagtagc agcgagggtc cttccatcct cgagctgctt 240
gccagcaaaa atcagcctct gctgggtccgg tgggatgcct tccttgtcct gaatcttggc 300
cttcacattg tcaatgggtgt cagagctctc cacctcgagg gtaatagtct taccgtaag 360
agtcttcacg aaaatctgca taccaccacg aagacgcaac accaagtgga gaggtagctc 420
cttctggatg 430

<210> 41048
 <211> 515
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910005c02d1

<400> 41048

attaaacgac aacaaaacat ctttgttgtc ctcatggtaa cagagaacct tgccgcatgt 60
 accttattaa gacatctata gaaaacaatt gttccaccaa cctaaagaca aaatataaac 120
 aaaaaaaaaat aaaacaaaac ttacaaagga atccgcacgg cattttcttt tttctctcta 180
 gctcaaaaaa aaataaaaat tgttcaagcc tattaacttc agtcatgttc tctcaagatg 240
 tctattttat aatttacctc ctgttacact tatttacggc caccaccggc ctttctagga 300
 ggaggagcag tgtcctcgtc gtctgactga atatctccat actgccacat tccacgcctg 360
 ctggtctttg cttcatcctg gaaattctcc aaattatcga gagctgtctg tctgtctttt 420
 ctgtcccacc tgtttctttt ttctgtccta gcaagccctt cctgtagcat ggcagcatta 480
 acgctgattt cagcatccac agcaacaaga gttac 515

<210> 41049
 <211> 512
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910005c03d1

<400> 41049

gtcgcgcaga tctactgagg ccagtaagaa tattatgctg gaactcaata ctacaaccag 60
 agataactat gaaaagattt gagaaatata agggaaaaaa gaagttggtg tagaatagac 120
 aagtcactta tgattattgc aaacttgact tgaaatatgg cagcctggta ctttgcagc 180
 ttcaccacaa gccaaattgt caagcagctt aatcacacat gtggctggtg aaggatcaag 240
 aaccatccat ttggatatca gtgccatttg gatttgctgg atttgcatga taggggtttc 300
 cagccacatt cttctgagtc tgaccggcac cgaatgtaaa ctcggttgga gcaatatcta 360
 ggggtgctcg tgcaaagatt gaaggagttc cagcagtgtc gaaggaagga agctgagctg 420
 gatcattgat ctttgggaaa ccaaagctaa ttgaaggtgc tgtaggcaag aaaccaggcg 480
 gcacagagct gccactatca atcgggtccat ag 512

<210> 41050
 <211> 504
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910005c04d1

<400> 41050

agataaaaaa taattccttt gttaagaagg ttgaacctgt tggctgaatg ctcatgata 60
 gggaaaagaa aatacaaaaa catgctaaca ttttcctgag atatatcagt accactaaat 120
 gacattatta aaatcctcat aagatcactc atcactagac tggctctttaa attggaacat 180
 ggaaaaacag aacagtgatc acaatcatca tgagaaacaa gttgccaata acgtaaaaaat 240
 cgggtggttga aactttaatt tgggtataaat ttcttctaaa ttgatcatag ctcatccttg 300
 cttgaagcat cttcccccat tagttcttca agagaaaact catcctcctc aattatttct 360
 ccatcttttc catcccatgg ttctgtcttt acaattgttg gagttccttc aatgggcaaa 420
 ttccctttgc ctccacgtcc agcttctttc acaaattcta taatttggtc aagttcaaaa 480
 gcactcttga gaggagcata aaca 504

<210> 41051
 <211> 456
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910005c05d1

<400> 41051

aaccaattgc caaagttgaa ggcagatctg gcttaacaaa acatagcata ctgatgctaa 60
 ttacgggaat tatttagcat ttacattca cttgctcaaa aataaaacac gctagtaata 120
 tatatttgag tcagcaacag agcaattaat ttccgacgca taatggtagt agtagattca 180
 aacgtggcag gtgcttaacg aaaaacgaca atatttacat gcaaccacg gttttcttag 240
 cttatccttt cagcgggtgc tgcttctggt ctccccactg tacagccagt cgtagacagt 300
 gggagtgttg ggaagtgggt tgtcaaacaat ttgagcaacc atgggtctttg tggcggagtt 360
 gctcccagga tggaagacgc tcctccaaac gttgtcagct ttacgcgcgg atcccgggtg 420
 cgttggagtc gtgggagtc tccgggttgt cggtgt 456

<210> 41052
 <211> 443
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910005c08d1

<400> 41052

aactgggaaa cgagattgat atttaaaata aaaacataaa caacatactt tcgctgaaac 60
 gagttcaata catcatttta aaacataata aacagcagca cttaaaccag agctgcaaag 120
 cacaagttca agggagacac tgaacaaacc gataagacat atgagaacac ttcataaaag 180
 ggattcccct tagcaaccac cacgaaggcg aaggacaaga tgcaaagggg attccttctg 240
 aatattggaa tctgccaagg tacgaccatc ttccaattgc ttcccagcaa aaatgagcct 300
 ctgctgatct ggagggatac cttccttgtc ctgaatctta gctttcacat tggcaatagt 360
 atcagagctt tccacctcca aggtaatggg cttccctggc agagtcttca caaatatctg 420
 catacctcca cgaagcctta aca 443

<210> 41053
 <211> 480
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910005c09d1

<400> 41053

gccaatataa taaaatagggt ctttccataa gcaagaaaac ttctatTTTT ttgttttcag 60
 atagtaatac atctccagtt aagatgctta caacttaca ggggtgggata aaaggataac 120
 tatgatcaaa attcagcact atatgtcaaa ggtgcagctg tgacaatata ccaaaattag 180
 tctataacat ggattgtcag ataaccaacg aatcccacta gaggtatcct tcattcaaga 240
 tccttaacga tggatctcgt gttgattatt cttctgaaag caccttacag cttccattat 300
 tcacctaaca aagttgaaag aaacagttcc tgcacaaaac cagatctccc agcagcttgt 360
 ctcatccgtt tctcgcgctc ttcagtactc aaggagggac caaaactgca taaagagaca 420
 gatcaaagct gtgatacaca gatcattctt ggataatgat gaagcatgca cactatgcat 480

<210> 41054
 <211> 463
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910005c10d1

<400> 41054

aacaaaatta ttataatctt atagagagaa catagacaag atttatgaac acccctaccc 60
 aatgtgtgta ccaagtcaca ggctcacagc tgtagaatat tccaaatgat acaaataagg 120
 gaaaccttta tttatattta tagtaaaaag catcaactga gctctgtatg tcccacaagt 180
 acgaaacgat taccaacaag taataacaca cacaggcagt acaactagtt ttgtagttta 240
 gacgacttcg gcaaagtcac cagaatatat gtctaaccac acatttatat tttatattag 300
 gacacacatt cacaacattg agcattatag aatcatctcc cacatttact catccggcaa 360
 cttttcttgc gaaagttctt ccagtcgaaa tctgctgtgc gggcccaagg atgaagtctc 420
 cagattcaga aatccaattc ccttcagcct tcattggtgg aag 463

<210> 41055
 <211> 447
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910005c11d1

<400> 41055

ccagtaatag gggttaatat tataagcaga gattcataat tcaaattagc cgaactttat 60
 acagaagcga ccaattacca aacattaaaa aaaaaaaaaa ggaagcaacc atgagcttaa 120
 cacacccatc acaagtccaa aacacttgaa cttgctgaaa ggcaagacat gaccacttta 180
 ttctaaggat gtttgtttaa cacaaaacac cagagggcac gaaaaccatc acagacttaa 240
 tacataagtt tttagctcca cattaatagg taatcattat tctaattaa gggctatctt 300
 tgcttgaagc ttgctttccc aacacctaac ttgcaagtgc aggggttgca ggagcagttt 360
 ggtccacatt tgcagccatc gttctaaggg ggcacacca tttcagcacc ctcaaatgga 420
 gccttaacag gtgccactcc catgacc 447

<210> 41056
 <211> 268

<212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmro02910005d01a1

 <400> 41056

 aaccaacaaa gtaaactcat ttggagagga acattgggta agaacaatta gatcaaagct 60
 caatgcaaca gcaaggatgc cgcctaaccc tggtatatttg taacctattc tatatttacc 120
 ctttgcata gcaagagccc ccagctctca ttggacccta atccactgtt ggttgaaacc 180
 caacctttat attcacatga agcacaaact ttaaaggaac gaatgatttg tgctcaagca 240
 ttatcaagag caaggacacc agggagtt 268

<210> 41057
 <211> 534
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmro02910005d02a1

 <400> 41057

 gatacaatcc aaaactgctt ggcacaagat aaaattacat acaaattttt gtgatcatca 60
 actggacagt gaagcatcta caacaaaata ctacaaagtt catttcatcc catgtttgga 120
 aagattcctg agaagtttgg aatcttatca acatgcttga gggcacgctc agctgtctgc 180
 cgagttcgat agtcacatg ctggaaagca tccacaagtg cagtactcac attttgggtcc 240
 ccagaaactt cataggctat atcatctggt ctcaatagtc tctccactgc ccaaactgcc 300
 ctctctctca atgtttctgt tcttttctca agtagcacat ccagtatagg cttcactccc 360
 tctgcttcac acaaaattgc cactccttgc tcaatatcta ctccatcctc tattaaagta 420
 gataaggctg cgagtgtgctc ctgcaccaca atcacatttg tgtggtgcag tagacctact 480
 aacttaagca ctgcctgccc tttatagaga cagaatgttt cttttaaga cata 534

<210> 41058
 <211> 515
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmro02910005d02d1

 <400> 41058

aatggactct taatttatta catagaagag ttccaacaac aattatgtca attcaaactct 60
 aagaaggctt gttatttaag ttacaaactt gattttttcac caaaaacaaa gttacaaacc 120
 ttgatcttgc attagaagca tccctcatag ggaagcttaa ttacacacgg acgacccatt 180
 caagacatta aagcaatatg aaaggggtcat ggggttcaaaa tctacactag gtaatttaca 240
 ggatctgctt cctatacaaa agaagacacc aagctatcac tacacactag tttgtcacag 300
 gagttggcta catcccaaata atgggggaaac cttgttttgg aaaaggcacc aagctatgtc 360
 ttgggtaaca tgtcatcttc agaatttagg aattcttcta attcatccag cattgcttga 420
 ttatgtgtca gcttcatcct tctatattct tcttgtgctt tcttagaacg gaacatggcc 480
 tgcacacgta tgacagacct ctcaacacgt tcttc 515

<210> 41059
 <211> 489
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910005d03d1

<400> 41059

gaacctccgt aacatcctaa tccattactt tttaagaacc taatatcagg gcaaacacct 60
 aatactagac cacccttttt tacatttcat cccaatggta cattatttac agagccaaga 120
 gaagcctcag atgatttaac ctctactag tttctacatg aaaatgtctt gaaattgtcc 180
 agaagattca accttcatgg caaaatatgt gggagcagca aactgggcat atagttaaaa 240
 agtagataat attatgggct gcagaactaa accaaaatct ttccaattac caaagaagca 300
 attatccgca ccaccatcca atcggtgtaa ctctcacia gtcaaggggt ggatgatgtt 360
 ggtaatgcac ggtgtgtgga ccgtgcttga ccgctcacag gttcatttat cctactgaat 420
 actacttgga ggggaatata agctataaca ggacccttct tatctaccac tggctttttt 480
 tcctttctt 489

<210> 41060
 <211> 493
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910005d07d1

<400> 41060

ggctagagtg aacaaacata agatagaaga agagtaagag aatagtttgg cttgcacaaa 60
 agctattaac atttaacaag aggcagcacg atgaatttac atatcatata ttcttgggaa 120
 aatagctgct cctggctcta catttcaact cataaaacct taaaacttca gtaacaagat 180
 attccccgaag gatgaaatta gattacaaaa ttgatcaggt aggcaggaca ctccactatc 240
 ctaaacaaaa gaaatttgcc caaacagtta aatatactaa aattgaccag tctaagagca 300
 atccaattct tgcagtaggc tgctagacgc tatggctctt tcagttataa tactttcgtc 360
 atctctcttc aatcatctac gagtcccaac tctgcataat ctatctagtt tgaattttag 420
 cattcttgaa catctttgtc attgagatca atgggaaggg caacctttag ctgatctgaa 480
 ccactggaaa cta 493

<210> 41061
 <211> 420
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910005d11d1

<400> 41061

cacaagttac cacaaaagag ggtaataact aatcaccaat aaatgggaca ttttggttgt 60
 tttgattagc tagctgagat ttcatgcgta aaactaacat tcatgtttta tttgctggtc 120
 ttctttgaaa acttatcaaa gagtaataag ctccacctgg gccatgagcc aacaaagatg 180
 aggggggtccc ttttttcacc acttttcctt tatttaacac agcaattagg tcacaatttt 240
 ggattgggct taacctgtga gccaccacca cactagtttt cccaccatt acccttttta 300
 gagcattttg caccaatttt tctgattggg tatttagggc acttgtgggt tcattcaaca 360
 acaacacttt tggattcttc aatatggctt tagctattgc aattctttgg ttttgacccc 420

<210> 41062
 <211> 446
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910005d12d1

<400> 41062

aaccaatcc taattcaagg gaatgcatat ttcaacatgc aaaaaaaaaa tttcccaaaa 60
 aaaagtttta caaacaagca aacattttcct aacataagcc tagattaaaa tatttttacia 120
 gttttacttt gcaatattca aatgagtgccc tttgggacac aaattttcac ggacatgtta 180
 tttcataagg gaatcccat attaataaac cccccaaga agaaccaatt aaaaaagaa 240
 aaagagcatt ggaacccatg gagattgatg gagtttcagt aagaaaaaca tccatttcct 300
 tttgatccc gaaatccaat gttctcaatg gcccacccg ttttgaacat cctcctcttg 360
 ggaaactctt ccaccagtga tcgttgctgt tgctggctcc tcaaactgac caaggaacgg 420
 atcctggta acctgtgcat tccatg 446

<210> 41063
 <211> 515
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910005e01a1
 <400> 41063

gacatgacca tattcaaatt tacattgcaa ccaaggaatg tatatataaa aataacaaaa 60
 tcgcccataa cgtacatata taccagatac aaatttttca cgacatatga tattacaaat 120
 gactaaaact tctagataac aacgaacaaa agctatataa tgaattccca cactaccacg 180
 cagttcaaaa ttattgcata ccaataattt caagaaccct tattaacttt cactttcaaa 240
 gggattggta caacaatatc atatgcta ataatataatc ttaagatgaa gaagcaggtt 300
 tggaagatgg gttgaaagga acctgtcag cgcattgtaag gatttcattg ggcccagcct 360
 gttctcgacc aacacctaga aggtcaagat aatactggta atgggaaacg atattgttca 420
 tcgagtccac atcaccttgt ccacaaacac catccccata gagaatgttc attgtagtgc 480
 caaatccagg aagacgattc tccatagtat cattc 515

<210> 41064
 <211> 453
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910005e01d1
 <400> 41064

agacttaaaa aagcacactg catattcatt aaagcatgat ctaagcacac tgcattcctaa 60
 catcacacgt acgtagaaaag gtgaagttcc aggtcttgca caacatacac aacacacccat 120
 aatttatttt atatacaatc ttatggcgcc caagatgcag atgcatggac taattaaaca 180
 acaacgtttag tctgataggc agtggtccata gataaattgg gtaccataa aatggccttg 240
 cttccaagga aatggcaaac agggtttagt ccaggatcaa ctcccatgag ttcattgaagc 300
 atgagatgat tcattccaga agtatctgag tggcaaacag caagtgcctg agtttttggt 360
 ccatcaccag ccaccaatgg aacctgaaa gcttgtgttt cccggacttt atggcagaaa 420
 atactgcagt tctgaaattt agcccatgac aca 453

<210> 41065
 <211> 486
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910005e02d1
 <400> 41065

aacaagctca agcaagaatt ctttcactgc tttctcattt atactagttt aagttaatta 60
 cgaccacagc tctagatata atcaaatgc taaaagcaag gatcactaca aaagctagcg 120
 atatctaaat taaactaagc tactcataaa gtacatagtg attgttttgt ttgactcact 180
 caccaaatta cctaagaaac atgtcttctt aagttactat tggattttga taacaagtat 240
 tataacctta ggtttttatg atatctgctt gttcctcaac agcaaagcat gctcaagctc 300
 cacctccact tccccaattg ttgggtcgccc atttggttca tacttcaagc atctctagta 360
 tcaatctctt ccatgtaga ttccagttcc actcccatgt caataatggt ggtggaaaat 420
 aaggtataat caccattggt gtttctgata tctgcttgtt cctgcaacca cagagcatgc 480
 tcaagc 486

<210> 41066
 <211> 518
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmro02910005e03d1

002220 032200

<400> 41066

acttaaaaga atagaagata atcaaatcaa tgtgtttcct aagaaccttc aaatttttcc 60
ataatctttt aaagacgcca caaataaaaa ctcagatata cagggaggat acggtgtgtc 120
agaaacacca gtaaagtagc aatcactcaa atgggattcg gtaggactat gatgatatga 180
atataaatct ggaagctaca gtgattacaa attagtaaga aagaataaat ataataagct 240
tcaagaagga gcctcatgta aatattgatc gttaaagtga tctagatgta gaactaaggc 300
ctctgccggt gactgctgct gcagaagctg gacacttcac ataaattgcc caaactggtc 360
tgaatagaag ttatcaccgg nggttgtgta ggcgaggcct gttgcagaaa acacggccat 420
tgccctcac aaatgctgct atgccgatgc taatgccgc ccacattagc gaanagaaga 480
tgtgccgaa atcatattga acttgccctca gtgacatg 518

<210> 41067

<211> 512

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmro02910005e04d1

<400> 41067

aaccatcaaa ctaaaccata tcgatttcag taaaattaaa tatccaacaa aaccacatcc 60
acttcaataa agagaaattc aacattggct actatgcctt gtggaaggct gagagaaatt 120
ggccttaciaa tttaacaaaa tttaatatat cataactgaa attgattcca tctcaaaaac 180
ctaacaaccg aaaatgtcaa atcattgaca aagaaaagtc tggttaacaa accattcaat 240
ctcccttctt cctaaatgag caaccttcgg ttaacctcgc ccgtccccct gttggttggc 300
acaaaacagt ctggcagttt ccgcacacca caacagtttg agagtggcta aacacagttg 360
ttatgttgaa gcatccctgg cacttaacat ccatgaagaa agagtttggg gactgaacaa 420
gacgcttgag tttgtgcttt ctcttctcca actcagctgg aggattcagc anatcaatat 480
cattctgaag aaccattgtg agaaagaagc gc 512

<210> 41068

<211> 545

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910005e07d1

<400> 41068

cgactgaaac ttcatttcat tcattttatgg ttctgggtcgt gtgtagtagt ttcttggtca 60
 ggagcaacca ctagcatata aatttcaaca atgagccaag aaaatatttt ctcatgttaa 120
 ttccccgaaa tacatcaatc ttctttgctg tccttttttt aaaatcccac atattgtgtg 180
 tactgcgagt agggccctga ccgcttggca atgggggccc gtgtaacgtg atccggaaga 240
 tcaaatgcat caacaagtgc ccttgcaata ttctcactt ggaaactaag atactccgcg 300
 agcttgtgga ttgccttggc tttgttggga gccacatagt caacatttcg gtaggttcca 360
 atgtcattcc atattctatc cagagcataa agatcacaga cgagcttcag agcagcttgg 420
 gagcttggat ccggacagct ctgcacggct tcaataaatt tagcaaggat gactgactca 480
 atatgtgact ctgcaagtgt caaaaggtga ttcaaacatc tattccatgc accaaaatcc 540
 ccaag 545

<210> 41069

<211> 509

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910005e08d1

<400> 41069

cttatgacat tagctgagca tcacttttat ttattcatat tctgtgatga ttcatacggg 60
 aaatatatga atccccacag ttttagtccc caatacaaag agcactagat cgactcacca 120
 caaagggaac attcttagaa tagcacaaac cataaacaat aaaacactag taatctagtc 180
 actatctata ttctgaaat cagaaagtgc cttttttcat tttaaccaag ctgaatttcg 240
 gagtcaaaga cagctccacc ctcccaatca ctagagataa cattctcgga ttgcacccaa 300
 tactttcttg cattaccact caattggaac ctcaacttta tgtcaccctt tggaggggtc 360
 tcagcgtcaa acacagtccc aaatgccctg cgcattcgcc tccactcttg gcaatcttcc 420
 tgccacaatt caacagcagt tacgtcgtaa gtccaccaa gatagagaat gacaatggct 480
 aagtagtgag gggtttctgt gtgttcattg 509

<210> 41070
 <211> 466
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910005e09d1

<400> 41070

acataagatg atgattttatt ctagtttgca ctttgccatg ccagctatca ttgttgaaac 60
 atgcgcgaga acacttaaca gcaatttata caaacagaat ttcttcatta acaacttaac 120
 agcaaacacg agaacattca atcaccccaa atacataact taaccataca taggtagatg 180
 aaggaatcat attccttcta ttcactttta ttgaaaacca gggaaagtac tgcaacaacc 240
 atagagcccc tagatggaga tactgttggg aattcctctg aaagtcaatc cctcctcact 300
 agaaggatag agcaaagtgt aaggcatttt agccggccca ctgcggtttc tcaacgtctc 360
 gtccttgttc ttctggataa gcttttggtc aatctcttga agcttctttc caaacctctt 420
 gaaggcctct agtggaccag catcagaagt ccaatagtca ccacca 466

<210> 41071
 <211> 523
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910005e10d1

<400> 41071

aattaaagca aatatatatt tttatttttc caacttttag cccaacatag ccgaagttat 60
 tcaaaatcta taatacttca caccctatct attcatagga tacattgata tggagcacga 120
 ttttcttcga ctgtattata caattacttg attttcattt aatcactata cttggtagca 180
 cttgcttttag gttcagaatc gtacttggtg tttgacctgg atgcaaagtc atcatacttg 240
 ctaatatatt gtctcgggtc aaaatcatcg cttttggtaa tgcttgattt gagttctaaa 300
 tcatcatatt tggtaacact tgggtcttgat tcaaaatcat cattctcggg aacgcttgac 360
 ctgagttcaa agtcatcata cttactaata tttggtctcg gttcaaaatc atcattctcg 420
 gtaacgcttg acctgagttc aaaatcatca tatttggtaa cacttgggtc gggttaaaag 480
 tatcatactt tgaacacttg gtctcgttca aaatcatgtc ttg 523

<210> 41072
 <211> 552
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910005e12d1

<400> 41072

gacaaacaca aagaacaggt attttacatt taactaaaga acttaaaagc ttagcagaaa 60
 aaaccttaaa gtgttactac actaggcagg aagcgtcatt cataatccta agatcagtta 120
 ctagctcaat gaacagaatt ctcactcactg tcaattctag tgccattggc cataggcgac 180
 acaagaccac ccacaaacct gtatgaggaa ggagaaggag gaacttttgg agaaaggtta 240
 agcattttcca aggctttagtag tctaagctcc acagggtagt cagcaacaca accaatttcta 300
 ggtcctgccc cggttgacca tctatgcgaa agttggtgcc ccaattggta ggatttttga 360
 gccttcttgg aattgattct ttgcaatcgc gctttcttcg gcacatcagc tcttggactc 420
 tgaagccac ctgagagagt ccttttgtaa ctgccaacag atccagggtg acggtcttac 480
 ttgattgagg atgccgtgtt ctcggcttgc tcagaaacta caggcttgga tatcttacca 540
 ttgctagaat ct 552

<210> 41073
 <211> 509
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910005f02d1

<400> 41073

acacaaatta ttttcataaa gcagaaacag tctgcagcga tcatgagcat gttgataaat 60
 tatgcactac aaaaatgaac agtgataatt aactcctcta aaatttactc aatttcatcc 120
 aacacaaccc gataaatatt atattgcttg gcacatgttt gtatttctca agataaaagt 180
 caggctctcag gggttccaac cccctttgca aatgggtaga ctaaaacttg aatcatggca 240
 aatgcactag ctcagtactt ttgacaccac accggcacca actgttcttc caccttctct 300
 caaggcaaat ctttgtcctg cttcaagtgg aactgctgaa atcaattcaa acacggcagt 360
 aacattgtct ccaggcataa ccattttaac attttcgggc aactctactt ttccagtgc 420
 atcagcagtc ctcaagtaaa actgaggttt gtagttagag aagaagcagt gtgtcgcct 480

ccctcatcct ttgtgagtac atatatctc

509

<210> 41074

<211> 531

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmro02910005f03a1

<400> 41074

caaatccaaa aagaatatca tatattgtct tcgatacatt ttacattaat gaaaaatttg 60

ctaccttgat ttacattgtc aacaacaatg gctgctcagt cctcatcatg tcaccaaaga 120

gctttgaagg tttgccctca tcagccgtta tgtcattgac aaaactacct catgtaatca 180

tcgatacgtc aagcacatta agagtaaacc catgtatctc aattacacaa gattagacta 240

gaaatTTTTT cttagaaacc attcagctac tgctattaga ggagccaaga gactaactta 300

aaaatataaa aaggaaccaa gaaaaagaca accaatgacc attgttcata cttttttaac 360

tgtaaacaca aaacggaata aaacatgtgt acgagcttta ataatcatat tattatagca 420

tcattcacag tgaaagagat accaaaatac gcatttcac cttccttctg aattcaatcg 480

tccatttaat tcngtgaaac tgacaccttt agccacctc cagattgagt g 531

<210> 41075

<211> 516

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910005f03d1

<400> 41075

catattatat tcccaagtcg tattcaaata cttatcaata aaaccatgaa gccaaattaa 60

aatatttcta gtacacaccc aaaaattctt caaaagaaac ttccgggaat ctagcacgac 120

caaaaatcat aaatttaatg aaattctaac ccatcgataa ttaaatttga tgggaattat 180

gatgtagcag tagcacacgt ctaccatta aaatcaaat accaggtcaa agtttcaagt 240

aacttaggac agaacgtaaa aaaaaactag ataaaatgag tagatagctc ggtacattaa 300

gtcacttagc acttgacctc ctttaaggca tatgcaaagt acaggaatgt tggatcagca 360

0953413.032200

gcgccgtcct tgtagtaggc aaagaccaag caagcatcat caccatgct ctcaccaaca 420
aaaaattgga aatctttaat cttagagagc aggtatttag ttgctccctc gatgtgcttc 480
ttaaacaact cctgttgctc tgcacgagc ttggga 516

<210> 41076
<211> 537
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910005f05d1

<400> 41076

agaagtacaa caccagattg ttcttaatag ctgaattttt attacagata aaaaatatct 60
aatgtttaat tagaaatttt gtactctact tacaatgaag aattaactga gtgatctttc 120
caaaaaaaaa aaaaaggacc caaggacaaa tagggttaat aaaatgcctc ggtaaccca 180
agaataaaaa aattaaataa aaaattagag agatagaatt aaaagtctct cttggtgtca 240
cctcaatttt catcataact aacacatttt ttgtcattat ggggacaagt gtatacatgt 300
gtgagcctag ccatatataa ttcccaacca tgattttgct gttaggctat gtttgtttcc 360
aacttgtcac caattttcac tctttccaat gaataaaacg cagaaataac gaactttggt 420
cttttgcggt ggtgcctcgg gatgatgcaa actcccttag aaacatccac acaaacaggc 480
acttaacttg tggcaggaat tgaggtgcct gggctgggca agcccatgta agcaagc 537

<210> 41077
<211> 532
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910005f07d1

<400> 41077

aaaaaaaaat gcatattgca ttatttagat cagaacaaaa ataccaactt gatttctcta 60
caaacaggaa aactttaaat atatacggac acacgctgaa atcatcagaa gaacacgatg 120
caaaaatccc aatacaagaa caagagtgcac ttacataaga aaactaatga ataaacaaat 180
tgcttgaca tgcagagtga gccatcatgc atatgctgac ctcaattcat tcaatttaac 240
gcgaatataa ccaacacatg cattttgtgc tttcacatca tctactcatg ctgagcacta 300

gctgcttctg ctttgtcagg attagctagt tctgctttct catggtggaa ttgcaccaca 360
 atgcatgtaa tggtatctgc actcccacga gaaaatgctg cttctgttaa ctttcgtgca 420
 gctgcctcag gtcctctta cgtgcgggca agagaaacag catcatcatt ctgtactaca 480
 tcccagagtc catcacttgc aagataatca gttcaattgg tcatctatct cc 532

<210> 41078
 <211> 294
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910005f08d1

<400> 41078

ggtcggttgaa ttttgtaatg ctggtatccg aaaacgggggt cagagcaggt tgatggcaaa 60
 caagaattac aaaacgaaag gccggaagga gatgccttta ttcaaataga aaaacaagaa 120
 cggctgaacc ctagagggtta ttacggacct tacaatccct aaagctcctg atacgatgcg 180
 aataagtaat tacatgggtca aaagggggccc ggaatataca gccaataacc ggatccatct 240
 gcaacccgcg gccataaaaag ccggtccta taaccacacc cttctcaagt cccc 294

<210> 41079
 <211> 546
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmro02910005f12d1

<400> 41079

aatacgaaaa catagcatta ctcatTTaat taatgataaa tagtttagta caccgatgca 60
 cctcatctag cttgttgctg ggtagaattt gccttagcat gtacgaggca tcatgggtcaa 120
 tctcaactct gaggatccgg ttaattttta aacataagta cattcagcgt gaagtcatta 180
 agacgaggca agagcagaca aaactaagta aataactact taatgttaca taagcattac 240
 accctaacat ccagtgactc gaacaagact tcaaataaat tcaagctaaa tcctgtacac 300
 gattgatcaa cttttgcaga gaacgcccta tcaagtgatc gacaaaatat cagctaccta 360
 atgcatttta gtaaacaaaa ggctgcaatt tacatgcagc gattgattca agaatccatg 420
 tgtgaccaat gacttgtaaa gtgttcgcag ctaaatectc tgcgtcgttt agcctttgcc 480

caaagaattg aaacttcctn ccccaacttg catccttggtg gggatcaggg ttgtaacact 540
agcaac 546

<210> 41080
<211> 427
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910005g01a1

<400> 41080

ggctcttaac aactttcatt atcaaaccga acacttacct tttatatgaa gtaaaaaagg 60
aaatcaacaa cttctcactt aatttggtca ttacataatt gctagtttag atttgaaaca 120
tcaacttgct atagctgaaa cacataaatt tgggggggtct tagtgatgga aaacagacaa 180
aacatacaaa aaacacaaaa atgaagtcta tgtgttcaca aatctgcagt tcttcctaac 240
ttccccctgtg aagaagcttt ctgagtttgt gatatttccc attttcacca ttgactccga 300
gaattgtcgg aaaaaagcaa gaggggtctgc tgcatacttc ttcacaagct gtctagtttc 360
aattccaaac acacttgagt acatttcttg gtctgagttg agaagtcctt ccccathtag 420
tagtaat 427

<210> 41081
<211> 498
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910005g01d1

<400> 41081

gatatcaaat agaagattta gtttatgtac ggtgcaataa ataaccatac atagcacaat 60
gccagtgga gactggtttt atttacagaa acgcattctt cagaatgtca atcggagagt 120
acacaactat atgcagatat tcacaaaata taagagaatc atatttaaaa ataaaaaaaa 180
acttacctct gggacatatt ccaaggcata gtcattatc atcaatgtca tcaacattaa 240
gccaatcatt ggaatccttg gtcatagaat tacgagcact tgaatgtca gagccaacat 300
gtttgccttc tacacagttt aaatccttat cagagtttagg tgaacttcta cctaactgaa 360
cccaatctcg agagtctttt gttgaagaat cagagcctga tctagttttt ttataacttt 420

catgtacatc accatcatcc tcttcaagat cactgaatga tacatcctcg tcattaccag 480
tgtgaacagg agttccac 498

<210> 41082
<211> 550
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910005g02a1

<400> 41082

acacaaaatt atactacatt cattcatgtc cctagaaaac agaatatgtc ctgctctaaa 60
gcattaatga gaagatgcaa tcaattacac ttgcaaaatc ataagcaaac atattattaa 120
cataaaccat tcggataggg taccccaaca aaattattat tctatcccat gcgtcacttg 180
tactcgagaa tcatgttatt ctctggggcc aatccaaacac aagccctcat tatgttttcc 240
agcattgcac gctgctttga caatgcattc accactgggtg taccgggtgg aacctgcaag 300
agttatgttg tgagtaacct tgccaacttt ttgataaaa aaatgataag gggaaaaaag 360
ggaaattcac tgaacaatga tttaacttca caattgtatc tcaatactaa aactcatatt 420
tctttcaact taattcctat ataaaaataa ggatatgcac tcaacattga ataagattag 480
attaaactca ccagaggagc cttggtcaga tagctgagaa tggtagcaac tgggtggaat 540
gagtgggaatt 550

<210> 41083
<211> 494
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910005g02d1

<400> 41083

aaaagggagg gacaaccatg aaagaaaatt acggggggagg ggaatgccca taagttacag 60
tattaatatt tgtgcagcaa caagaatttt gtaaaggtaa aggcccatcc gctggtttct 120
tacagttcta tcctttcagc aacaaaatgg agttgtggaa cacaagaatg tatcaatttt 180
taacacgcca aggagcatgt gctaaaaaaa gcaagaatta atatacctaa agagttttta 240
aggttgaagc ctccatttat actgcatgtg tacttttcca acttataccc tagctacttg 300

atgtgttcat gaaatcctta agaagtttgg attgacaaga agctcagtgt ttctcatttg 360
 tgagtcttgg aagcatagca tatacatgct catattctta aagagacaaa atcatagtta 420
 gataacaaaa agtgaaaatg tatgtctaca ttggctatta cacaaattct aagagctata 480
 ggtagttaat ctta 494

<210> 41084
 <211> 437
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910005g03a1

<400> 41084
 gctgggttac acatttattt atgggaacaa ttcaaagttc ttcgaggagac ttgaattat 60
 ttggaacatt acaacaaata aaaagtcacc ttacccttcc cttcccgaac acccaaacaa 120
 ctcccgaatt attcgcaaac agatttatta acaacaatga atctaactac cttttgcaaa 180
 tccccccgca ctaaaattgc aacttgtgtt gttgtttacc tccaaaacat gcactgtttg 240
 cgactttaca tgatcaacca aagccttaac ttaaagcaca gaacaatcgg tacgaatttt 300
 cccatttctt gcagtcttaa ctccaacgcg acccaatttg gtcatagcag ccacaaagtt 360
 ggagttgaaa acgttgggtac tggaagcaaa ggaattaacg gtgttcttag accttgggtc 420
 cgtgaaaagg atttgggt 437

<210> 41085
 <211> 356
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910005g04d1

<400> 41085
 atcacttcta cccaatgtgt gggccaagtc acaggctcac aactgggggt aaggaatggg 60
 ggtcaaattg ggcaacctta gaggaatacc aatagaaaac cgtaaacagg ggccttaaga 120
 tggcccactt aaacaaatcg aatacggcca agttttaaca cacacacgta gcggggcccc 180
 ctaccgctt taggacgacc tccgtaaatt caaaggataa aaacattatt cacccataat 240
 attgaaacct aggacacca cccacaacat tgggcaccct ggaaaaattt gaaacatcca 300

005413.032200

ctttttcccc aactttcccc ccagaaattc tttacagccc gaaggggctt tcctgt 356

<210> 41086
<211> 490
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910005g05d1

<400> 41086

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cgcttttagtg gccatgattg tcgaatgata ccaagtcact tcctatattc cataagctgc 120
actgtccgaa atggaaagaa cagcctacct agaacttatt taagccaat gcaacaagct 180
cgttcaattc agtaaagcct catgoggact aaaatttaca gaaggcactt tactaatcac 240
gtacatgagt agtaggcact tgatctagtc aattctgaca ctctgccaga caaaatgcga 300
gactatatca gccagatgcc tgcacagcac tcatactttt ctttagattt cccctcatct 360
gcactttgag aaccctcaat cttgogtgag acctcatgtg cagtttactt caccttatca 420
actgagccat ttgcagacac aggatatgag tcatcgaggg tcaaggggcc agtctgccat 480
attctgatgg 490

<210> 41087
<211> 513
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910005g07d1

<400> 41087

aaaattaaaa tctcaactta gatataaaaa tgttgcacca tagcaacaaa taaaagagaa 60
ctgatgggta acctactgct aattccagtc atagcatgtt tcaaattttt caaaagaaaa 120
gactatacct attcctgata agtgatcact accaaccac taaaatcata gcaataacaa 180
ctagaaatac tacaactgtg caaattgcag tgaaagaaac atgagaaact ttagaagggt 240
gaattccatg ctcataactg acccaaaaag ggggggtctca gaacaacctc ccaaaaatca 300
tccagtattt cagttggaaa cagcattttg tttttgtcca cttgaccggc cgactctccc 360
tctcccttgg tgataacctt ctccatgacc acgaccctta ccagaaaacc cgccacggct 420

tacataatca tttcgaccgt atccccgacc cccaacataa ttcccacgac ccctgaaaga 480
gtcatttcgt aacccaaccc taccagatgg gat 513

<210> 41088
<211> 481
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910005g08d1

<400> 41088

gaagaaaaaa aaatctccac aagacatcac agactatatt aagattatta ctaagtagta 60
ataaaaaacac aaattaggat gtaagcaatc acaagtttgt aacaaagtag aaaatcaaaa 120
ctaagtagtg aggatagggg ggaggtagtc agctttgccca ccaagaatgc gagccttggt 180
gtcggggaag aattcaaatc ctggcagctc agtgacatct ctttactgga caatcccgat 240
ggggtagcgg agaaggtgac caggaaggtc atgctcaagt gactcactag aatacagatc 300
ccaatatttg tcagcaactt gggtcacctt attaatgcat tcttacttt ctggctggag 360
gaaggagtca tgaagcatgc caaggtgctc ataccacaat gacatgcgga aaccatggat 420
ctggccacgt gccggctgcc tggtagccaa atgatagggc tgataagcac ccatggcaat 480
c 481

<210> 41089
<211> 429
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910005h02d1

<400> 41089

agatacacia atctttacta aaggagcttt agggctttca gaatagagaa tgtatatatt 60
acaattcagt atgaagataa ttgaatactg taacctacat aaaactctcc catgcactca 120
taatttttct aacttgagtg atcacataag aactaaaaca accataacaa tctaattccc 180
ccaaacattc ttttttggtt acaaaggata gaaatcccaa aattggaaga tgtggacaaa 240
attgaaaaca aaaggcagga gcaaatactt ccaaatactaa ccccaaaaat agacaaagaa 300
aagcgaaaca ttaaggttgt cgattttttc aacatttttg aagatcagaa ggtggaggtg 360

gcagcttctg attgcgccgt ttacatctt ggactatcca tgccattttc aagccccaac 420
tagtatgca 429

<210> 41090
<211> 444
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910005h04d1

<400> 41090

ccataaaatg aagatacgat ccataggggg tatttaaggt taaccggga acaattcagg 60
ataattgagt acaagaaaag caaaatataa gacaggcttc aaagttattc ctccctgaga 120
ggttaggtag acatgtgatt tcatacatca ctgggataat aaagcctaac tatatagatc 180
attttcgtca gccccaccag cagaagctgc aaaggggtca gatccagtag tagtcctatc 240
tccagactct ggaaacctaa attcacttcc aaaccctctt gattgctgta aggtctgagc 300
aaatgcctga tacttgcgaa tatcagcatt acttacactt ctccgtgcaa actttattga 360
ctcctcaaaa tgagcagcct tgatctccgc aactttgtcg tcgacgggat cttaatccat 420
ggcctcaggg ttttccctac tttt 444

<210> 41091
<211> 548
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmro02910005h05d1

<400> 41091

gacggaaatt ttaacacaat ctattgttta acttgtaact ctagaactgt tataaaatca 60
gactgtaaca caatcaaggc attcccttga tggcgtagga gttgacgagc gccaaaggcat 120
tgctggtgaa actttttgac gttgctgacg cgatcgcata caccggtttt catgggacag 180
tccgtacgt cctggaatcc atccgtacag gtctcttcgt cggtgagtgc ggcaactaac 240
cacgtctgca cgttgctcat ctggaacagg aacgaactcg cgccggcgcc ggcgatcca 300
atctgccgca tctgcttcag cgagccggcg atttcgtcca cggcgtcgcc cagattcgag 360

aagcagtcgt gcagagcaag agcggcgcgc gtgcttcgc cgtagtcggc gtcgcgcgtg 420
 aggttgagaga cgtangacgc cgcacggtga accttcgaga gacttacggc aatggccaca 480
 cgcgccagat ggccgggggtt ctgctgcacc gcattggcgt aacgagagag ggatgtgaaa 540
 cacacttt 548

<210> 41092
 <211> 408
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910005h07d1

<400> 41092

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 gtttaactga caaccttgct ttttatttac ctatttaaga aaccaataac ttttattcgt 180
 ggaagaatta acatagcata atttggttgt gcgcacataa ctttttacc tatcaattaa 240
 ttgcaactta gtcggggtgc caattctttc acaaattctg cactattttt atcaaaattt 300
 tcttcctgat aaacataact tttgggcaga tttttccatt tgatggcatt tgcctttaaa 360
 taatttcctt tttcaggctc caattttact cttatgcaat ggggtgatt 408

<210> 41093
 <211> 471
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910005h08d1

<400> 41093

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 attactgtta tcttctaatt ataattcttt ctttatgacc atatttagtg cctctgcacc 180
 aacttcctaa taatccttct gcagggcatc aatgatcttt aatggcctaa tacaactccc 240
 catgtttcat accctgacca acataccaat gaacgaacgc cctcttgga tacatgaggt 300
 caaatttggtg gtcgatgcta gagaagacct caacaacact ggtgtaattg gtgattatgc 360

acactgttcc tatgaacatt ggcaagatca ccacctgcaa catcagtagg aggctggtaa 420
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<210> 41094
 <211> 497
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910005h09d1

<400> 41094

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 ggggtacatgg tcatcattgt tgagattgac ctttattaca gaaaccagg gaactcattc 180
 cattcacatg ggggcttgta aaggcttggg aaccacata agatgtttta tagggaagaa 240
 gtggcacact gcacccctcc caggcttgat tccaagctgc ctaaataaa tatgatttgg 300
 gctccaatca gatgtgtcca aatggcaa at gccaaagagct tcaattttgt catctccatt 360
 ctgctacct agtgagacct tgaacacctt gctccctgtt gctatgaagt ggcaatagta 420
 aatggcatag ggatatggta ggggatgaca agctacccat ttagcagcgt tgatatcttc 480
 agacacttcc aaaatgg 497

<210> 41095
 <211> 205
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910006a01d1

<400> 41095

ataggaaata agttcgctcag atgttatata atgtcccttg tctacctgtg tgcaacattg 60
 aaagacacaa atgactgaaa atgaaacctc agcctgcctt gttcatcttg tgtttttgca 120
 ccatgccttg catctacacc tctacccttc cgaagagtta tgacaattat tggactcccc 180
 attgatgaga atgtaggagg aataa 205

<210> 41096
 <211> 492
 <212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910006a03d1

<400> 41096

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 catgtttatt caggtactaa acagagttca atacattggc cacaagcac agaaccaaaa 180
 ctcaaaaaca gcaatttccg aagcagcttg aaaggcagca ttatcagttc ctaactacga 240
 atttcaattc ttcttcacag tagcagcgtt tatgatgtcc acaaattccg ccttgaggga 300
 tgcaccacca accaaaaatc catcaacatc gggctgtgct gccaatctt tgcagtttcc 360
 tccatttaca gagcctccat agataattct tacagatgca gcaacttcag cactcacatt 420
 gtcatgaacc catttcctta aatcagcatg aacctcttga gcctgagcag gagttgcaac 480
 ctttctgtt cc 492

<210> 41097

<211> 323

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910006a04d1

<400> 41097

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 aatacatata aatgccaaca aaggtttcta ttattacatt gggggaagaa taaatcaggg 120
 aaagagagta atattcaata aaaacttta ctttaacaac agaatggcaa aaaattacaa 180
 aggaggctga acgcatgttg ctggcctcaa cacttctgaa gcacatttgt acacagggga 240
 gcttctctgt ttattcaaat caacccatca gatcctctca aaaaaccccg attttttaat 300
 tgaccaataa ccctgtcaat tca 323

<210> 41098

<211> 323

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910006a05d1

<400> 41098

agacaactga aatagtctta tttattaatc aagcaagtgt ttgcataag caaatctaca 60
 aggaagatct ttgataaaca aacaagcata gcataaatcc tcatggcaga gctttgattc 120
 atattttatg agctcaacaa aatcattcaa atgcccattg attttcccga cgaactgact 180
 ctttttcctc aggggtgaag acattcttaa tgtaaagggt cttgcgaatt tcctcgggag 240
 tcttgccctt gatcatgtgg gctactgggt gggatgtaaa gtccagcaag ctcttgatgt 300
 tcaagtgggt cgcagcctgg ata 323

<210> 41099

<211> 312

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910006a06d1

<400> 41099

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 gctaaaatta tgcttttctt tctcctttat ctacccccta agactttgct aaaacttttc 120
 caacttataa agggcttaag agaaaggctc ctatgtcacc caataatggg cgcaatttta 180
 ttcgagactg ccccatctc aagcgggggt aaataaacia actctgctg gggaatggga 240
 ttaatggtgc aaaggggggt cctgctcta aaacaagcag cttcgtaagc ttttttttat 300
 ttaccttccc ca 312

<210> 41100

<211> 332

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmro02910006a07d1

<400> 41100

aaccaaattg caaataggaa ttgcccggga aagaaaagct ttttaaaagt tgagcctttt 60
 tgatagcaac aacagcccac ccagctttc attacaaatc acaggtttca ccagaccagg 120
 ccgcacccat tccaaaccaa catacttgaa tgattagtgt aaaggaacc agcaatagag 180
 ccttattccg ttagcattgt tgcttgtttg gggacagctt caaatcacia tccccttcaa 240

atcacaaccc aattctttta ttggagttag cattgcatag nacattctct ctcccctaag 300
 aggctacaac attggattct tcagcatgaa aa 332

<210> 41101
 <211> 321
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910006a08d1
 <400> 41101

aatccattgc gaaacagtat tcataaaggt ttaatcaaag cccaaacagt cataacacta 60
 attgaacaaa aacattaacc aaaactttta aataactaaa attaaaatag aaccacagag 120
 aattgacttc caacgaattt aagcatcggc cttctgggag acatagggtca agccacactt 180
 gccgcaatag tggcgggtcga agcgataggc catgaaaggc ccggcaccac actcggcgta 240
 ggggcactcc ttgcgaggcc tctgcacttt tccagaatcg tggaccttgt agaactggag 300
 aaagccgagc ttgaccttct t 321

<210> 41102
 <211> 427
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmro02910006a09d1
 <400> 41102

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 attcaaaaagt gagtccatca gggaaatttg ttcaaactat acacgattga gactacctga 120
 cagagactta ggtcaaacaa aacataaatg aacttcagta ataggaactc agctgactca 180
 gagatacaag tgaaggcgcg cagaaatgaa ctatttacac tgagcacact ttgggggatta 240
 acgaaatagc gcccttaaaa agggatcatt ctctcatca agcaaattgg cgncgncatc 300
 atcatccaat tcacttaaaa ttgactgggt aatgcttttc cgagattggc tcctatgctt 360
 cttaggttcc aagcgaggat ctgcttgctg aacacccatg tctnccattt tcaaccttac 420
 atcccct 427

<210> 41103
 <211> 292
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910006a10d1

<400> 41103

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 aaccacgttt ttcacttatc ctttggtgga tgggcttcta aaggaaagca gcggtaaagg 120
 ctttttttaa ggggggaaga gggggaccgg aggagctgga aacttggggc ctttgccttg 180
 ggacaggggt aacaaggaat tcttcggtac atggtaactt tcaattaaga ctgggggtgg 240
 ctaattctca tggaaattca tttttttcat cacgatataa aagggtcttc gg 292

<210> 41104
 <211> 355
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910006a11d1

<400> 41104

ccaaagaaaa aggcataatt gagggcaatt caaaaacaat tattccggaa taatagattc 60
 aaaattggca aaaacaagaa aagaaagtag tggggggaag taggtatggg gaatgatgta 120
 atttaaccaa aaatctctga agcaaaagga tcacgacact ttataaaagg aataaataag 180
 aaaacataaa ataaaataaa aagactctaa tgcagttgca aaccaattcc ctctagatgc 240
 cgctatctat aagaaaaagc cgggtgtcact caattcccaa caaatgaat cactttactg 300
 aactttcact gattgacgag tcacttttgc tctctctcca ttctgataac tcctt 355

<210> 41105
 <211> 459
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmro02910006a12d1

<400> 41105

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actgaaaaaa ttacgtaaga cggaaagatg gccattacat catatcgttt ccatggatca 120
 aaatcctgaa gattcatagg tccacaactc aaatcttttag ataagccagt tctagctagc 180
 ccctccta at caaggatagc ctaaatacact aacccatcaa tgacacaacg aagtattgca 240
 tttagaaaac atgctttcca ccatttttct ttaaattttt taataacctt cctagtccta 300
 cgtagttgca gttgcaactca cattgcaagt caataacctg ccacttgtagc ttcctagcac 360
 tcagncatgt aagttgccga cgcactcaga gcacccacaa aaacaacctc atgcactgcc 420
 agaatcagca tatcttacag gctcatgcta tgagacaaa 459

<210> 41106
 <211> 459
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910006b01d1
 <400> 41106

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 tcttgacact ccaataacat agcaaaataa aattacataa attaaatggtt attgtaaaag 120
 atctaggaaa aaatgttacg ttcctgcatg ggaaaacagt tttagaatac cagtttatac 180
 tcttaacact tcagagacaa gtatgggttct tccatgcaag tccaagctcc ttttgaagta 240
 ttaatectcc caagagctga gggtgtactc atgcaaagat tatagtcccta ttgccttgct 300
 cataagactc tatagggccca taggcatgat aatggaggca ggaacctgaa tagtgaatat 360
 acatcgtgtt cacaacttat caaataggca ataggcaaat ggataatgct gtatgagctc 420
 atggaaggctc ttttaattta cttaggcctt caagaagtg 459

<210> 41107
 <211> 452
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910006b02d1
 <400> 41107

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 atatatatgt acaaattcaa taccatcact ggggagataa cagagttaat cggagaagaa 120

ttcttgcaact tcagctaatt ggtccgtggt cattagaaga gggagtgaat caatttttagt 180
 tccattggca ttgagcttat tatctactac atcataccac tcctgctgct cttcaaactc 240
 ggtaatatg ttgtgatttt gggggtagga aatttcccca ccaccagagt tttgacatat 300
 gcaagctgat gggttctcgg taaactcacc actaccgggt ctcaactcat tcggttctcc 360
 cataaagcct acctggaaag ttcgtactcg agaggcaaat tcctcccacg tcctattatt 420
 tctgttcattg aataacatgg tcaacttctt tg 452

<210> 41108
 <211> 483
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910006b03d1
 <400> 41108

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 atgaaggaaa aatccaaatt acaacttatg ccaataatca catcagatta taaacccgct 120
 tccgagtcta tgacttgggt aggtgttttag ccttgccaca aatcagtgca ttgggcggaa 180
 gaagagtctc cgcgtatacg ctctgctcat tgttccacac cctcagatac aatgcttggc 240
 ctaaatacct ttggggccag attgcagatc tcaagttcca cataccctta ttgtccaaag 300
 ataccaatat ggcactccaa taatttggat acacctgaac agtgtgtcta gacatcccat 360
 caaccaagtt gtaagtcttt ctggaatcat ggatccacag gccattgccca tatgcaacaa 420
 catagaagct agatccatac atgtgccatg actgcatgtc attctcattg gattggaaga 480
 tta 483

<210> 41109
 <211> 352
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910006b04a1
 <400> 41109

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 ttgtgttgtc aacaagattc tatgggagcg caaccttgac taccaatttg catatctgac 120

attaatgggc tgtcatctat cctgataagc taaattagaa gggttaatgc atgccatgtc 180
 gaactacata tcgaatggct caattaggca cccaggaaac ataatgcttg caatgcctga 240
 gagaccggcc aggggtccctg aggatcccat tgtggcttga cctgtacact ttcttagttt 300
 ggctcaatga gatgatatat ctcgctaatt ctttcggcgg atacaacttt ag 352

<210> 41110
 <211> 321
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmro02910006b05d1

<400> 41110
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 ttatatgaag tcaaattccc tgaggagtaa atacctaatt gcttaggaaa catagagatt 120
 caattaatac attcggaatt tttcctttgt tctctcaaaa acttcttcag caatgttagc 180
 ttctttgcca tcagcccttt taatctccaa ttgagccttc tgatagaatc cagtacctcg 240
 caatggatct gaaatgaagn catcgaaccc aatagcaatt gctgcctctg cctttgctcc 300
 ataaaccaac ctcttaactc g 321

<210> 41111
 <211> 248
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmro02910006b08d1

<400> 41111
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 ccaaatacta aagggggggg aaaaagcaat ttcaaaaaat gggggggaaa nngggggcct 120
 cagccccaaa aacaccccccc ccaccttgag gaagaggggg actcccggtt tttagcttgg 180
 acagggactc tgacttcaaa tataaaaggc aagagggatg ctggcaaaaa aaaatgccaa 240
 ccttcggc 248

[illegible][illegible][illegible]

SECRET

SECRET

SECRET

[illegible]

SECRET

SECRET

<223> Clone ID: jC-gmro02910006b11d1

<400> 41114

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caaaagcccc ggaacagggg ggggcccccg agggggacgc cccccccac ggcccggggg 120
aaaaaaaaac ccccccaaca cgggaccctt acgggggaaa cccctaataa aaaatttccc 180
cccttaaaac cattttttta agggggccct ggcccgaacc cccaaaaaat tttcccaggg 240
ggggaaagaa cccacagggc ccaagagaac cttccctttt tcattccccc cccaacattc 300
caaggaacaa aagccccctg ggggttacctg ggggcaaatt tgggggagag gggagagaaa 360
accccccccc cccgggggga gggggggatc atgccccccg cccctgaac cctgggaaga 420
caccgccagg aaccaccggg ggggggtggg gattggcccc cc 462

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<210> 41115

<211> 402

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmro02910006b12d1

<400> 41115

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aacgcacaac cattgtatag aggggaaaaa acaaaacgct tgacttgaag cggacaattt 120
ttcccattta cattggatca ctatcgncta aataaatgac tccatgaagc acatttgcag 180
cagcacaaaa tgcacagccg ctgcctttta ttaatccata gatgccatca tacacagcac 240
tgcattacta accatgacgt tcaaacttca gaggctgacc aacttaagag agttagcctt 300
ctcttgcaga gaatccagga ggctgncaaa gctcttctta aacgagtcca ctcttcaag 360
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<210> 41116

<211> 453

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910006c02d1

<400> 41116

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tttacgccct aaaccctaata caaaactact ttcggtccca agccagaaat taccaagggt 120

aacattgggt tcaacaataa aagacacaac aatacaactg tgtcttcaa tctgaagtat 180

ccccaatttt cgcacgcaca tacagggaac agaagcagaa gtgatgagta atcattaata 240

aaatttcaa ccctaagaat ctgaagcttg gtggagaaag caatagcgac ccaatcaggc 300

tgcgaagacg accactgaag ctgctcaatc tccgcacccg cagtgtacgc aagaatcggg 360

tcaagcccg ccttcacggg ttgacccatg gaagaaaggc cccaaatcag cgcttgcgaa 420

tccccggcgg tgcatatatg gcacgagcta tgc 453

<210> 41117

<211> 479

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910006c03d1

<400> 41117

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accaaaggac atgaaatcag acatttataa ataaatagta aatcaaaagc agaaataaac 120

taaatttagt ctacttcctc aatctttggc cccgcaccgc ttccagcagc aggaacatca 180

tcgtccattg caccacccac gtctggacca gcaccacct ggtacatctt ggcaatgata 240

gggttgacaga tgctttccaa ctcttcatt ttgtcctcaa attcatctgc ctctccaagc 300

tggttgctgt ctagccactg gatggcctgc tcaatggcat cctcaatctt tttcttgtca 360

gctgggtcaa gttttcctcc aatcttctcg tctttaatgg tattctcat gttgtatgag 420

tagttctcca atgcattctt ggcctctacc ttcttcttgt gctcttcac ttctgattt 479

<210> 41118

<211> 422

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmro02910006c05d1

<400> 41118

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 attcgctcag catatttatt cattccaggt gaattagcaa attgcgagta aaatatattt 120
 tcccttccga aggttgcaaa attgatctca aatctatata tattctatat tacattcatg 180
 ctcggagaac tctaggttaa tcacttccaa gactgaggtt cttctcaatg agaatcatat 240
 tcaagttgta ggctatttca gccaaagcca tgccctaaa agcaaccata atctttttac 300
 aggcaagcat atcaaaatcc gagggcgntg attgcttcca ttgatcaata acttcaccca 360
 cttcttttgt atgaccaagc atcagatagg aagaaatgat gcagatgtaa ttcttgctaa 420
 tc 422

<210> 41119
 <211> 381
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: jC-gmro02910006c09d1

 <400> 41119

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 cggaagttaa tttcttttaa tgagaccatc caaccactct gcatttggac tttttcaatg 120
 tatacttctt cagtccttcc tgatttcttc tgcctatgaa atgtaataat acaggggaatt 180
 ccagataaaa aaatcttaaa taagagttca ttatacattt ttatgaattc ctaaaactgg 240
 acacctccct cattcctcaa tgaggtagtt taatgctttt aaatcagcat tcgggatatc 300
 atgttcaatt atgcaaatat tatttgctta ggatatactt cagatgccat atatcattna 360
 cactattaaa ctgtgctaaa c 381

<210> 41120
 <211> 423
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmro02910006c10d1

 <400> 41120

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tctgtattcc agaattaaca tcagtcttca tgacagcagt aaatacctca agatgtctca 120
 caatacaata aatctaattgt actcacataa aattcaagaa ataacatcat gtagctatca 180
 atactatatg ccttgtaata aggcaaagat tacaacaacc ttcttgaacg gaaatgaaag 240
 caatatgctc atctctttct accaccacgc tctcttaaag agatgggaag tgtttcacct 300
 ccaccaacat tggaatgggc gagagacata ttatccttga gaaagccagg ctttccactc 360
 aatttctgct tattagcagg gagctggatc tccccagcaa ttttttcctt cagactacca 420
 aca 423

<210> 41121
 <211> 465
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmro02910006c11d1
 <400> 41121

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 aaaaagaaac aacagtaacg attattaaaa tacctcagag acttcatgca aagttgaacc 120
 agtgtcctaa agggctagaa ggaagcattt aactatcatg ctgacaatga gagaaacatt 180
 ctccacacaa caacaaatgc agctggaatc tatggtagtg gaacaactaa actatagtat 240
 tttgacgcat gctaaagtta cagcaaatga atgtcacagg aaagaaactc aggtcttgca 300
 aggaacagna atgaacatta agaagtttgc agcacatctc atccttgact aacttataaa 360
 actatgaact gatatagnct aatacatgac aaatgaacgn gtataattat atatgctaca 420
 atagaagagc cggattcaat aaggcaccaa gttaaagcca ccaca 465

<210> 41122
 <211> 386
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910006c12d1
 <400> 41122

aatagataac agaattatctt attggaagta tatcaatata atctcaaag agaaagagag 60
 aggttttata cgtaattaac aaacataatg aacataatga gcaagagggc ggactcggag 120

002260" E T T E S S O

ctaaacaaat cgacaaaact taaattccta atatagttct tatctgatta ggaggatgcc 180
ttgccaacga cctgggggtcc ggataaccat tctagggatc cataatagcc ttataaataa 240
ggtcataagc ttcggccaga gacctggcca cgccaatagt agcttcagaa cgcaaccttg 300
gaacctgcat ctgctcaaat tccggcaggg aacttttact tccaagata aggccaaaca 360
gagctttcaa acactccgaa agaaca 386

<210> 41123
<211> 428
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910006d01d1

<400> 41123

aagttaaaat aacattttatt ttgagttttt ttttctaata caattctccg taactattgc 60
gaaacggaag gagtaaattct caataatggg tcacgaatac gtcgaattcc acgatagcgt 120
gtacttttggg gaaatcaaca gagtaaaatc tggcttgagc gtagccacgt gcaaaacgaa 180
aagccccagt gccgccaaca atagccattt ccctaacagg ttactcatg atcatgttcc 240
ttcgcaacac gctgatgggtg ctgacgacga aatctccatc ggtgaatgcc atcgatcatca 300
ccatcattag tcccatctct atttgcgata ttgaagtgt aattacttgg gccttgccca 360
catgtttcga gtctgttctg ggccccacgg ttaaagggcc gtccatcgcc acaacgggtc 420
cgaacgga 428

<210> 41124
<211> 342
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910006d02d1

<400> 41124

gataatcaag aacatttttaa gttaaaaatc atccaatatt caatcgagag acatgcattg 60
gttccaatta aagggcagag agacacattg aaacatgcgg aaatagggtcc cccgatttgt 120
aacagccgcg aagaatgcta ccaagaaaat aaaaccatac agggcaaagt ggttctcaaa 180
gattactttt tctctctctc gttagatggc ttgtcgtcat tcttctgttg aggctcagac 240

tgattttgca tggaagccag caaatccttg acagaagggc catttgggtc aaccccagga 300
 agcgatgcag ggtttgaaaa tccaagggat ggatcggccaa aa 342

<210> 41125
 <211> 361
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmro02910006d03d1

<400> 41125

ctgcagtggg acatcagcca tttctgaata attatatatg taaaaatgat tcatggatac 60
 tggaatacac ctagagattg aaaacgtgaa gaatgacaag ttacttaaata aactccggta 120
 gaatcaataa tatgacgtga aaaaaaaaaac tgaaaaaaat ggcgccctcca tatttaactc 180
 ctcaacgttt atacaggccc caaagggaac caattgaacg gacacaaaca ccatgacata 240
 cagaaaataa actatttccc aaattaggtt taaggctctg ggtttacttg cactgttata 300
 catgctgaca agggcattct gacangattt gaacaactgt ggccctctttt tcttggtatg 360
 t 361

<210> 41126
 <211> 358
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910006d05d1

<400> 41126

caaaacttgg ggggtggaacc cttttgccgg aaaagttttc cctaaaatta aatcaagggc 60
 ccctcatctt agaaaccttt gagtaaaggt tccccccgat tttggaaaga ccccccccta 120
 caacaaaaaa aaggttcttt tttcgaataa aagggccccc aatttgtgta ggggccccca 180
 gccctgggag aaaatcccct tggagggggc ctttttgcc cgggaaaaaa aaaaaaaaaa 240
 ccctcctccc cctaaaaatg ccataaataa ggggtgggcc ccgggggggtc ctttggcccc 300
 ccaaaccag ggggaaaacc ccctgtgttt aaacaaaagc ccccttgga cttttttt 358

<210> 41127

<211> 410
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910006d07d1

<400> 41127

catataaaag attagggatg gatgttaaaa gataaagaat gattacaatc aaacgcttat 60
 agatttatgg accccaaaaa aaccatcgca attaattaga aaaaatggag acaaattgtga 120
 gaagcacttt tgtattggag ataacacagg cacaaagtta gtaaaacaat gatttttcgga 180
 ccatgcttgc aacccaaca attttaataa gagcctaaaa ctcaagtcaa cataagatca 240
 ttccctcaa gaagagggcg aaggcaaaca cgaacttcat gctcttgtga tcccacacga 300
 agttttggca ccatgatctc aagcactgat cctggcccat catagtatag ctttatatag 360
 gcatcttcaa gaatacgagg tgaaagaggg atttcacgaa caaactcacc 410

<210> 41128
 <211> 300
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910006d08d1

<400> 41128

agctcttggt atgcttatag cataacttaa tttaaaaata gctccacata aacaacattc 60
 ctacttcgta gtctgagtga ggtttaacac aaatgttttt gtaatcccct ctgctgaatt 120
 tggacaaatg atcatacagg tagaattatt aatctcaaac caggggcggt gctgcttatt 180
 gatttgttta ttatgagaag caaaaccaca tcttacacag gagtgccaaa gtccagcatt 240
 agttagagct acattagcat attccactaa atgactatgc gctaccattt cataaaacac 300

<210> 41129
 <211> 374
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910006d09d1

<400> 41129

agtattacat caatagatat tcatgtctta tcatcatcgg cagatcataa tattgttaca 60

aattccaatg cccttcagta tgtaaattta catataccag agattacatt taccactgcc 120
 cattacacta tgagggaata catatatatta attcaacgca gattgagatc ctaccacatg 180
 acgttattca cgagcagttt gaggcataac tcacaagtcc caacaactct ggaccttcca 240
 tacgaggatt attctgaaag gtattgaacg gaatatgctc gaatggcccg gaggtaggaa 300
 ttggaccaca taaatcatta ttggagacat ccactacttt aaagctagaa acagcagcaa 360
 gttccttggg gatc 374

<210> 41130
 <211> 373
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910006d11d1
 <400> 41130

agcattaata acacgacttg ttcttattta ctggtataca aaaagaagca tttgatgaaa 60
 tcagggggaa aattcaaaag acaaagaata catttttcaa actgaactgc aaagaatata 120
 taagaaaaga gaaagatttg ctgtcttaag aaaatactat tactgattag aactgactc 180
 aattactgat tagacagtga cactgaggag cacaacagtc tcaacggaga gtccagggcc 240
 gaaaccaaat agcacacccc agtcaaggcc ttcaccggtt gagccaagtc cattttctat 300
 tgattttctc ctcatattgat ccaagatgaa tagcacacat gcacttgaca tgttaccata 360
 ctcgctgagc aca 373

<210> 41131
 <211> 382
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmro02910006d12d1
 <400> 41131

aaagacaaaa gctatcgntc cccaaaattt taaaccgctc aggtagacta caatggggag 60
 aagaatcgta agttcggaat ttttaacccc aaaagcgcca tgcaagataa ggtcaatagt 120
 acagactcaa attaagcact acaagtatcc acgttgaata tctcccagca ttttcgatat 180
 caaaggcaaa caatcatcaa gagctgcgat tgatcacgag cttccatgag agatgggttaa 240

tgatgcacca aaaagtcaag ccgcatatgt cgacaagata tttttcttta gaggtaactc 300
gccggccttg gcaggactaa aggacttgtc aagtatgcgc tgnaggcgct ggatttcgnt 360
cttagcataa tcagaacctt tt 382

<210> 41132
<211> 487
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmro02910006e02d1

<400> 41132

aaaagcaaac caagcaaaaa ttgaacacaa atataaagtt gacatttaaa aagcaaacca 60
acaacgcaac ggcaaagccc taaaactcgc tgcgcttaac aaaaatgtaa tcaggggttc 120
tcacaaacac aacacattaa aacagaatga taaaaggagt cttgccaccg tcgatcaaga 180
accaatttct gggaacaaaa gttgcgagat gatggtggag acttcaaact atgtccgaaa 240
aacaagctac ctagaaacga agacacaagg gcaagaaacc aacatttatt gtaaccataa 300
gaaacgacat cccctgatga accaaaccgc acgattcact tcttcttctg ggcagccttg 360
gtgaccttgg ctccagtagg atccttcttc tccacgttct tgatgactcc cacagcaaca 420
gtttgacgca tatccctgac agcanagcga ccaagtggng ggtactcaga gaaagttcaa 480
ccaccat 487

<210> 41133
<211> 419
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910006e04d1

<400> 41133

ctataagtct agcaaaaaat tgtcacagac taagatggat gatttcattt cacatggaaa 60
tagtacagcc taactctttg gcagcgatat caagaaagtt aatagacaat ccgtttgaaa 120
gtcggctgag agcttcccaa gtcaagcatt tttctatgtc agcttgccag tcaacggcat 180
ccaaattgaa gtattgataa gaagggttga gggtgccatt taatctccga ggtttaggac 240

tacatctgat tgaaccagta tgcaaaatgt cacgaagaac tgatatactc agagctcgga 300
 catgtgcact tggatgagaa agacatctaa ttgtagctga gatgcgacac tttaaaaggt 360
 tagaaaggcc atctgccaca gccaatccag attctccaaa ctcgagcact ggctgaact 419

<210> 41134
 <211> 421
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmro02910006e06d1
 <400> 41134

cttcatcact aacctttcct ggttccataa cataatcaac gttcaatcct tatagtttca 60
 cttttcaaga tttagaatcc aaaaataagc ttttaagctta cataaataat taacattatt 120
 agacagnaat gaacatccca aaaaacaaaa aaaattaaat caggcagcat taaagaaaaa 180
 tgtaaattggc atattcgata tcattttaag aaactatagc tcagcttttc ctatttaaaa 240
 ctcttctggt ctttgcaaaa tcccagatga atagcaattg actcctcgat ttctccttgg 300
 caacaattaa taatcccaca accatgatga gaggaatcat gccagaaaag aaacgctttt 360
 tcactgttag gaaaatgaga ctagaaagtt agatcttttg gggcctcaat aatctgggac 420
 a 421

<210> 41135
 <211> 437
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910006e07d1
 <400> 41135

aaaattgaat agttacaatt ttattttaat tatattggac aaaaaaagtt atcaaacagc 60
 aaaactatgg tagatataaa atgcattaca tctcgcatga agggggggat ctatacataa 120
 tatcatgtgt tgcaagcaac acacaacatt ccaacatgta gacattgaag gtcatacata 180
 acttacaatg ccaaaacacc aaccaacaag aatgtcataa aatacagtaa tatgagagag 240
 ctaagcaaat tcacgatcca gatatacaat ccagcagtga cccactcgga gccgattcga 300
 acccaaactg aagtccaacc aacatctatg agatcttagc tctcagatgt actgggtccat 360

ccagaaagaa gcatggctga atacatgcta gccagggcaa atatttggag gaagaatgaa 420
tacgaataga taacggg 437

<210> 41136
<211> 291
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmro02910006e09d1

<400> 41136

agatagctca tagttatttg cacaaaactg gtaaaattcc agatcaataa ggatagcggc 60
gaagccgcaa agatacaaca ttcattaggg aaaacaggcg tggggaaaaa taagggggga 120
gggggttgagg aagaatcaat tgctcacaga gcatgctaag acacctaaat attccacaca 180
cagcttttga aacaacccaa tatagagaaa attgttctct ggcgctttat aagctaaagc 240
agagccaaat gacttgggaag atnctactgt cgtataccat tcagttggca a 291

<210> 41137
<211> 362
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910006e10d1

<400> 41137

accaactcaa taaaaacaat cattgaaact tgacaataaa gagcagagtt ttactgtatc 60
atgctcagca ataatacaag ggcccggaaa acaattctgc acaaaaatat cactggcctt 120
caaaaggaag caactcatgg gaatgcgatc tataattatg aatcataaga attttttttt 180
tctctattaa ctaacaaaat cagagattaa ggggggtccc acttggtctt tggacaaaga 240
agagactagc gaattcttgg ctcatatat tatagacgtc aatatatgcc cagagcatat 300
ctgatttggc tgccctatgc tagtactcca ctatactact agtccaacca ccaccatttt 360
ac 362

<210> 41138
<211> 396
<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910006e11d1

<400> 41138

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agatattaaa ctcataatat aaagtgtggt aaaagaaata tgtttgacaa tatcttgaga    60
gtattgctga tatggctcac gcttttcttt ttgttaggat tggtccttga aactaccaca    120
agagtcacgc aaaaccctat cttcattagc tttcacattt gaatcacatc ttctgcatca    180
agctaattat cttggacatt ggcatttcat tttgctttca acacatccat agagcacttt    240
cttttcttca ccacttttgc ttttccccct aagcatatcc cactgccctg tacattcccc    300
caagaagaaa cccactattc tttgttggtt aaaggatcaa gagagacatc aacagtaact    360
aggtgggtct agaagcctta tctcactttc cctcac                                396

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<210> 41139

<211> 462

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmro02910006e12d1

<400> 41139

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catccacaat acataataat ttattaaaga tcgagaaatc gtaaaacatg tccatatgaa    60
tcaccaatca tacatgatac ataatttaatt attaaaaatt caggagcttc ctcttagaag    120
tccttatctt caggcttgag ccacctctac tgtttcagaa cccttgttta tttcaacacc    180
gtttacacct ttgtcttgat tggtagcaca gggttctagc ttggnccctt tctctgactt    240
cttttcttca tgggctgttt catgctcaca aactgagatg ccaaccttag gttgacatag    300
gacttcttcg agaatccatt ttctcaattg actggnagcc acttcatcta atcgagagac    360
ggagtgcact tggggatgcc ttattatcag gggtttgga aatgcagatg agagatcctc    420
agatagaagn tncagccaat ctttttcccc aatgaaatga ac                                462

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<210> 41140

<211> 409

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910006f06d1

<400> 41140

aacaagcgaa caagtattat ttattgaatt catcaataac ttacaatgtg attgttgtga 60

attcaccaca aagctctaac gttgactaac ccctagccag ataaacatga gttacattca 120

caacagtgtg gacatacaca gatgaagcat atgataagtt tattgttcaa agcatgagcc 180

tggaccaaca ggagcagttc ttgcaataaa attcttgaca ggagcagctg gaatccctcg 240

tctattcaag agacatctga agtaatgcaa ccgcggaat gcaattatgt taacatttcc 300

tgaggagaa tctctccgac tccacaagcg ttctgctgct gctgctgctc gaggccatat 360

tgtttctga acatctgatg tatcaggtgg ctaccccac atacagact 409

<210> 41141

<211> 404

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmro02910006f07d1

<400> 41141

gctgctaaat cggaagaaat tgaacataaa tttcatcaaa catgacaaca gattgtactt 60

attcatagca aagaactaaa tttcataaaa gggagcttca caaattcacg aaccaaacag 120

aatttataaa aagaccagaa caaacaacag tttttcaaag gccactattg accatggaaa 180

cactttaaca agagtaaacc tttcaggaac attaaaaaaa aaaaaacca aagatcttcg 240

gaacttcac atgcttagac ttcaagacac ctacagaaca ttctcagact tttaaaaccc 300

accacgaaga cgcaacacaa ggggaagagt ggactctttc tgaaagttgn agncagcaag 360

agtccttcca tctccaatt gcttcccagc aaatatcaac ctct 404

<210> 41142

<211> 365

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910006f08d1

<400> 41142

aagcactcat aaaatattgt tttcaattaa tttctcaaat acataccctt gcaaaaaaat 60

gttattacaa gaaaacatac gctgctaatt gatttttaat catcaatagc ctatcctaaa 120
 ataatggcga atataagagt gaaataaatt ggatagagag gggcattatc tttctgtcaa 180
 ggaggaaagc tagagttggc ttttaagcaca acaactgaca tgcacttaag ttttttggag 240
 cagcaattct ctacccaagg catgagctca aagaactctt cacagattgc tgaagccttt 300
 gcgcaagact tatagggaac atattttctca ccaaaattaa ttccaaagag ctaatgctga 360
 aaagc 365

<210> 41143
 <211> 244
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910006f09d1

<400> 41143
 gaccaaaaat aagggcttta actccaaaaa gtttccaaat tttggactta aaaaataaac 60
 agtcccggca attatcttag tggtttcttg ggcagctttg aaacaggatc cgcaatgaac 120
 tttcacttat cattttcatt attttcagca gcaaattaga aggggtggcac gcgtgcaacc 180
 aacttatcct tcctttgctg attagtaaag tccttcatgt gggccctttt gcgccccctt 240
 gggg 244

<210> 41144
 <211> 211
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910006f11d1

<400> 41144
 cagcttgctt ctggaacagc tcccatcgag cttgcattga cgcacctgag cagtgggttaa 60
 tctcaactat gtcagaatca gtactgccaa aactacacat tcccttaaga aacatctttt 120
 gtacagaatt cagatccaat tgtccatata ctgattcagc ataagcatct aaacctatgt 180
 ctagatgtag ctgaaagtct tcaccaacat t 211

<210> 41145
 <211> 505
 <212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910006g02d1

<400> 41145

catacaaaaa taattagtat atatcctttc aagaagaaag gggaaacaaa aaacaaagag 60
 ttaaaaaaaaa tacacaagaa aaaaaaggtg ttaaaaaaaaa tcaaacatta acaagtagtg 120
 attggagtgc ttaatataca gttgcattaa atattttattg tggtgaaaga tacctctgat 180
 ctgatacgaa gaatgggtcc cctcatgtgt ttttacaggc atagatcaac aaggagaatt 240
 caactctatc tttatctttc tgtgcaatct tctcctctaa ccacaatctg ctatccaagc 300
 cactcctggt cctgaacatg aacacagcat acccagaagc aggattgaaa aaccagttat 360
 gaacatccca aagcaaattc acaagcaacc catcgacgaa aatcgtgtgg tttcccctga 420
 aattccactg cagcctcttc acacgaatca ccgctcttctt atcgatgcaa acagacaaag 480
 caggagcctt gagtccttca ttctc 505

<210> 41146

<211> 488

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910006g03d1

<400> 41146

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 tcatcaaagc aactgcac ctaacagcac acgtacgtag aaaggtgaag ttccaggtct 120
 tgcacaacat acacaacaca ccataatcaa ttgcatatac aatcttatgg agcccaagat 180
 gcagatgcat ggactaatta aacaacaacg ttagtctgat aggcaagtgc catagatcaa 240
 ttgggtaccc ataaaatggc cttgcttcca cggaacggc aaacaggggt agtccagga 300
 tcaactccca tgagttcatg aagcatgtga tgattcatc cagaagtatc tgagtggcaa 360
 acagcaagtg cctgagtttt ggttccatca ccagccacca atggaaccat gaaagctgat 420
 gcttcacgga ctttatggca gtaaaatact gcagctctga aatttagccc atgacacatc 480
 actggttt 488

<210> 41147

<211> 378
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmro02910006g04d1

<400> 41147

ggcttataac aaagacagaa ttttcatttc aagaggaaac aaggataaca ataacaaggg 60
 aagcaggaaa ctgtaaatcc gaccagatat gaatgcagca ctatcgaatt ttataaacta 120
 caatcaaact atttgctaga agaaacaaga acagtgatct gtctgagttt tcctacacac 180
 tttaggttgt agttgcagca actaactggg tctttgggca tgccgcatat gcatgatctt 240
 actcaccaca ctcatagcat gtgctcctgc tcatatagcc acttcctgtg gaacttggct 300
 tatcaccatc agcttcattt atcctgagac ttcctaagga actaggntta tcaccattag 360
 ctccattaac cgaggagc 378

<210> 41148
 <211> 387
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910006g06d1

<400> 41148

gagaacaata atacactgat tgcaacatac attcaactta tccaaacaaa cagggtccta 60
 taaagattac agactccaca attactaata ttcaaggag cttcataggg tattatagta 120
 gaaacaaatg taacacaagc aaaagaccag gaactattct gggacttggg atcatagaca 180
 acatcttgaa tagcaggtaa ccatcaaaac ccagcattca ggcatttata tcataatttc 240
 tctttccaca ccttcataat atctccagca acttcacctt agtaaacaaa acgaagtcaa 300
 cagggtccat accaactagc acctgctcct ggatttttcc atggccctgg gagctaagcc 360
 aatagcatca gaacccttca tgattttt 387

<210> 41149
 <211> 382
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910006g08d1

<400> 41149
acaacaagaa aatTTTTTtg ggacttgatt tggtgaaact caaaattttc taaggacaaa 60
gaagggTTTT ttcatggaat tattctttac cttaaaaacc caaaacaaat ttgtttaaac 120
tggggatttc ggagtccact caaaacatct gatttcgcct cctatttatt tggggggccc 180
TTTTTTgggt ttcgggaatt tcgggggatc tctccttggg gggctggtaa aaccttgga 240
ttccccattt tggacattga tgtagcaaaa gatttccgaa aattttttaa tccaacaggg 300
aactcctagg agatctgggc agggctctca ctttttagaa attggggatc aactccaaag 360
acaggttgga gggaaaggac cc 382

<210> 41150
<211> 402
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<223> Clone ID: jC-gmro02910006g09d1

<400> 41150
gacgaacaac gaatagattt ataattcatt catgcttaag agtagccgaa agaggagaac 60
cgaattatta aaaacaataa tcaaccaaac ctaagaagca acatgctcaa ctttaaaaaa 120
tctctgacaa caatgattaa atgtgtactc aactaaaatt ctgttcaaca cctcaagaaa 180
tgcaatagaa gttctgatat taacttaaaa aacatcaaaa ggccacaatt ctctttggca 240
ttaaaagtaa aatatagcaa ctccagaata agaagtttaa agncttctac cccttctacc 300
actctttcta cgggtgctat ccgaaagaat gggagtaaca tcctctatac gaccaatttt 360
cattcctgaa cgagcaaagg ctcgaagagc tgatagagca cc 402

<210> 41151
<211> 409
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<223> Clone ID: jC-gmro02910006g10d1

<400> 41151
agtagccaaa gaagcactta atccattcac ttgaggagat taagaataaa taagattgca 60

tcaggaaatc aatgatacat tatttacagg gtaaaactaaa taacaggaag gagaattttc 120
ccctatccac aaccaagtac atttcattta atgaggtaaa ttaacatgac tagaacatca 180
tgcacaagtt aagatagaat gagaagaaca ggaacatgca tgcaaggcta ggggtctgcc 240
ttaccagcaa cctgttcac actagaatca tattcatctt cacttagctc ttcactactg 300
gagttctctt ctgaggcagc tcctatgtct tcaagtttag catacttctc acagnactct 360
ttaaccctta ggtcataagt ggctcgatca cgcatacatta aagctgcag 409

<210> 41152
<211> 390
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<223> Clone ID: jC-gmro02910006g11d1
<400> 41152

agcaaaagcc acatatgctt taagcagggt ggttttcttg ctggggattc catcaccaac 60
atcacgatca caattcttgg agctttatctt acataaaaag ggatttgaag ggggtcaaaa 120
gactcctgcc atggaagaga gggcgncgaa gctccaaaag gtcataagggt ttccagcagc 180
atcctgagat gcatcttcac tgagcaaaga cgccaatgca gcatcagccc aagcttcac 240
aagaaaagaa aggggctcaa agaacttcag ctgggattca atgtctgcaa gtcctcaga 300
aagagttttt gcagaatcat cttgcacaga tgccatatcc agcagaggag gcttcttctg 360
attctgatca gcagaccct gcacaaactg 390

<210> 41153
<211> 402
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmro02910006g12d1
<400> 41153

aagaaaaaat caactcagcc cgtcattaac aaggccatgg aacaatttca gggttataca 60
tatgcacatt attttctcga attaagatca tcatcacaaa ttaatgtccc ccacaactta 120
ttcatgccag attttagaac agcaattcat atcacagctt tgaaggcgac tgataccagc 180

cccacggttc atcaaatatg tacttgggca cttgcttcac acttaaatag ttctcgagtc 240
 cccattctcc tagttcacga ccaaaaccac tacgtttaac gcctcccat ggagcttgaa 300
 tgaagcttgg ttgagcaciaa tttatccata caattccagc ctgaatagcc tttgatatgc 360
 gctcgcatct ttctagatct tttgacatta cagcagaccc ta 402

<210> 41154
 <211> 476
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910006h02d1
 <400> 41154

actcggcggc cgcccttttt tgttttgact atattatctc caaatttcta tatagcttaa 60
 gcatatgcca catttttcta catagatcaa accgggtaac tcttagttaa catagagcca 120
 gctagagtac attccatata gtaatgtcga aataggttca ctctacagct cgggagaaca 180
 tatggcatga atagccgatg agccatgagg aacagaaatc tatgtggaat ttcaacattg 240
 cctagatata gacacaattg cctcgtggag acaccaatc tcattcgtac agaaaccagg 300
 gtcttcagtg atctggcgct atttgctaaa aggtcttcat caagtgcgct tgaatgcttt 360
 tcaaaaacgc actttacggc gttccacca gatgaggaag atgcaaactt atcatccatt 420
 ttagcataag tcgccttatt ctttgtcaaa gtaatgtac caaccattgt agcttc 476

<210> 41155
 <211> 435
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910006h03a1
 <400> 41155

gctctcgtca agtttcgggg cttecttagt agcagagacc aacttctttc cctcaaattc 60
 cttaagctga ccaacagcat actcgттаат agcatcaacc ctgtagagaa cctcgaaccc 120
 cttcttctta agcttttcaa ggaaagggga attcttaaca gctttcttgc tttcaccagt 180
 aatggagtag atgtcattct gcccttctt catcctggga acatagtcct tgaggctggg 240
 catctcatta ccactcttgg gggagtgata cctgagcaat tcagcaagtt ttgtcttggg 300

ctgagaatcc tcatgaatac caagtttcag attcttagag aaggcttcat aacttggtat 360
 agtcttttctt ggtctcagca atttcaaaga acattttcaat gcacttcttg accaagttct 420
 tcccgatgac tttca 435

<210> 41156
 <211> 457
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910006h04a1
 <400> 41156

tctagcctta atcatgaaga agtctttttc taaaggaacc gatcgcccct gtcaatcttc 60
 gggggcgcaa taatagcaga caccaaagtc ttcctctcaa atgccttaag cagaccact 120
 gtatacctgt caatgacgga ccccgaggtc agaacatacg aacaccgtat gcttaagttc 180
 ctcaaggtag gggggaacct taaccggcta ccatgcgctg gaaccgtaag gatgtgatgg 240
 actgcggtca ttcttctgtc ctgaactgaa gctgcttgcg gtgggacatg agctactgag 300
 tccgggggga ctgatatctg aaccaccaac tcagacacga aatgatcgaa aaattcgaag 360
 aatttctggg tcacagaaca ttacctaag gtaaggatct gagaaacaag atgggaggca 420
 aaaccaagtc ttacgagctg actcgcgccg agtttga 457

<210> 41157
 <211> 439
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmro02910006h05d1
 <400> 41157

gcacaataat agtagtctat tatcacattg ccaactgagct gtgggagaat taagcatttt 60
 ctcgatacac agcatttgct tgagcatcga cgtcaaggta aataatttac ccactacaat 120
 taatccaaca acgacacatg ctgtcatcca ctaatttata agtagagatg accttgcccc 180
 agggtttctt cccaaacctg attatcccaa ctagatacag aagctatttt atgccctcca 240
 agggaaagaa actagaggag accaatgtcc accagactgc cacatgggtg gccgaaagat 300
 gaatccaag gcccgccaga gtgtaaagag tgtctatcat gccagcgagg gccaaagcat 360

tatcggacgc ttgtcaagca tacataaatc gtgattctcg acaataactg tagnctgaca 420
 taaaacaaga atttcaccg 439

<210> 41158
 <211> 489
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmro02910006h07d1

<400> 41158

agagttaatt agcagtaata taattaatta attttgatac attacgatgc cttgattggt 60
 tccttgagtt gtcagaataa attcatctct ttactcacta gtgatgacct gagaatccaa 120
 ttatccaaaa tatgagagca tcaagatgta aactccgaca attccagagt agttatttac 180
 agcttctctt aaagcacagt accaacaaaa gtcttaaatt ttttttatgc atcttcgggg 240
 aaccaggtca agatccttgt tccattttgg ctttttattt gaacagaaga gcttcgnttg 300
 gcctttccat aagagacaag actgaggctg caatctgctt tgatgaaagc cctgcttctt 360
 ctatctgaac ttggggtgat ccatgctcaa tgtatctatc aggaagcatc attgctctcc 420
 acttttagagg cccatctagg atacctgata agctcaggaa ttgtgataca tgtgatccaa 480
 aaccaccga 489

<210> 41159
 <211> 392
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmro02910006h09d1

<400> 41159

gagcaciaaac ataattcaga gctctatata tttttattgg ttcattctcat caataacata 60
 agcggttaaac attttcctaa attattgtag tccatccctt ctttaaaaac agggcatatc 120
 agnccctttc acaggaaatc atttgcaaca aatattttga actgtgaatg cttttttcca 180
 agggacataa tgacgaagga attcatacat atagtagatg ctaaataatc aaaccagtc 240
 accatcattc cattacctcc aagaacaaaac caaactctcc aatttctgca tagcccttgc 300

aggggcaacc cacaaacccc aatgacacat gaaaggatcc acaagaagaa aaactataca 360
aagtaggagt catctcaaaa accagagaaa ac 392

<210> 41160
<211> 366
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmro02910006h11d1

<400> 41160

cttcctagtt ttcctagtta gctgattgag cacttcatct gcaataggag caaaagaaga 60
actatccctt ttgggcttgg cctcattagc atcttcattc aattgctttt gaagtgcttc 120
ataggccttg atgatagacc aatacgtgt acctgctgga ttaatgtaaa ctgcatccaa 180
atagtcctta gttccttcgg ggctgatagt ctatgggtcca accagaatcc agcagcatct 240
cccttattcg ttcacgcagn nnetggtttt ctgtaccact accacgctag atttttcctt 300
cttttagttt tgaggggtgg agtttttcat gcacaggagt ctgctcatcc tcagatatta 360
tttttt 366

<210> 41161
<211> 492
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910007a01d1

<400> 41161

ataaatgaat ctctgaatt ctgcaattga tcagctaaaa ggcacgaggg attaatacaa 60
agtatcaagt gcgctccagc tagacattat tctctcttct gtattacttt ctagtttctc 120
ccaagggtgt tccaaggagt gggtattttt ccttaaattt acatggacat aaagacacgc 180
agagacatta acagacgtcc acacctttta taattggtag gcaactctat tttaaccatt 240
tagctccac ctgccttggg gctttttaca agccataaat aagaaccaca tgtagaaact 300
taattattta taggcaaaaa acaaagtgga atgatctagg tgggtggacgg cttagctcga 360
tcttgtcaga aattttcttt atggaagtcg tacttggtgg atgtgtgtg agagaaatcc 420

aatgctagct gacgaagctc atgggtgagg gctgatggcc cacaagtaaa taccccaact 480
cgggcatctg ga 492

<210> 41162
<211> 444
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910007a02d1

<400> 41162

ccaattaaat aagataaaac attagattgt tttctttctc ttaaccaaaa gataaggcaa 60
atgttggact gtcgaacggg ataagctaaa gaaaaagtaa cataaatgta aaaaaagaaa 120
aagaaataac aaaactcgtt gcgaaaagaa aagaaaggaa aagacaaaaa aaaaaaaca 180
gaaatgagat agaggaatgg gaaactccga aatttgtgat tggattggtt gaagcatgaa 240
agttagcgtc tgcaaaagtc aaggtaaata cgacgtcgtg cagtgaagcc acccgcttcc 300
tagactccac gtgacttgct atgttcaggt tcttcattga cggtaacggc gtgataatca 360
ggacttgaa acggaggccg cgtctttgac gacggcgta gccagagtga gcgcggacat 420
tcggggagag gagggcccat cacc 444

<210> 41163
<211> 299
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910007a05d1

<400> 41163

ggacatacga caaatattat taattttaac atgcatagac ttacacaccg aaattatgag 60
tattagatcc tcacccaaat ataccaaata aaatattgtt aataactttc aactttgctg 120
gcgagtgggc gggctttaca catagcctcc aatggaatta accttgacaa ggtgatccaa 180
ttattctctg tcatatcaag cttctttctca cttactcgtt tccagtcaaa acattgaatc 240
attaatccca aagtatagct aacactttgc atagccatgg gtttttctgg gcaagccct 299

<210> 41164
<211> 251
<212> DNA

<213> Glycine max
 <223> Clone ID: jC-gmro02910007a06d1
 <400> 41164
 ctagctaaca ctcccatagt tatctattta ggtcatgatg ataatgccac accagaaatg 60
 agttcaaaga tagctactgc ctgctaggca tattgttccg cagccagtag caccctaaa 120
 gtgtcctttt ttgttttaca taaatttagg tactagctta taatcaacac caaaatgcag 180
 caagtacact aacgagggca tgaacacaat catttacagc aattcacaaa aaaaggccct 240
 cttgaatatt a 251

<210> 41165
 <211> 454
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910007a11d1
 <400> 41165
 acacattaat aaatccatat attatctaca tggggttcaa cattacttat taccactttt 60
 aaatcctctt aaggggggtt attcggcctg ggccagcccc aaaaaacatt atggtaacgc 120
 actgcaagga acattatttc cctgcttgat cattattccc tatgactgga aatgcatggg 180
 acaaaggccc cattgcaggt gaggcctcct gataagacac taagacctat actagaccat 240
 acatttgga ttttccatct cttaaaggac attatgcgtt tctaggaaag tcatctttga 300
 ccatacatg actagcttac aatgatatgg ggatctgagg atacttcacc cagagatttc 360
 cgctcgtctt acaaaattgt ttagcttttc tactgcatta cacggatgat aaggtgaacc 420
 ttcacaagag gaggaagccc tttttacctt acaa 454

<210> 41166
 <211> 387
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910007a12d1
 <400> 41166
 aaaccccacc caacaaaatt ttaatttaa aatttgcaag atttgaagtt tttattcatc 60

caaaacttac aaagtctaaa ccaacaaaaa gagattggtc acaccttctt tagcagacta 120
aagattttgc cggagctttt aaagactcca cgtcctttga attccaggat atgctactca 180
atTTTTgaat ttttttggcg cctgggtaaa ctgggggtgct ttggcaactg gggcactggg 240
ggcactaaaa gtattgtgaa taggaccttg ggctaagcgc tccttcctac gagcaagttt 300
ccttttcctg atagccttgt tctttgcccg tttggcctta aactgagtaa acaaaggttt 360
ttatcttgcc tttttaacct tggactt 387

<210> 41167
<211> 484
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmro02910007b02d1
<400> 41167

acacaaaacc ataggaatat gatataagtt atgatcatca tcgacatatt gtgtacaaca 60
atagcaaacg aaaaactaaa aagctaataa tatccctatt acataaatag gattacgaac 120
aagatagtaa caaaaaagaa aataaaaaga tatgtagcga taaaccataa tcataatcac 180
actgaactat tattattatt attatTTTTg ggctcgataat gatcacactg aaccttgagt 240
aaccttgttt atgactttta catcctgacc caacgacacc acacccggtc tcatatctgc 300
ggttacgggc ggaaaaaacc cttggtacgg aggagcgtgc actacccac caccggcac 360
agtataataa acctgtctcc cactcgcaat atcgtagccc acctgcgagt acggaccaac 420
cgtattatcc agcatccac ctggccgaac cattccgaat ccttcctgat acgcgggagc 480
ctta 484

<210> 41168
<211> 271
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmro02910007b06d1
<400> 41168

atgggcaatc cttcataat tgcaaaaatg cactatggaa gaaaaattag gagggagggg 60
gagtaacacg tttaaaattc tatacaactt ctgatgttca tcatatctat gagaagagaa 120

attgataatt ctcagggtt gcctcatcta aaatcacaag ctggatgatc agtaagatac 180
 ctattcattt tcatttgact cggctctatac atcatataca ggcattcctt ttttaattgga 240
 tccacggcag acagggcacc tttttcattt t 271

<210> 41169
 <211> 457
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910007b07d1

<400> 41169

aaatggtgta ttaaaaccca tgaacatttg aatttccaag gtcataatag tcagtaaagg 60
 gtataattga tacaaaacct caatgataga aataaatgca aaccaaaaaa gcaatagaaa 120
 ctaatagcat ggcaaaagga tccgtaaaga actgcggggg gcaaaagtaa tcgcagaaga 180
 ttgtgagagc ttaagtatgc atgaaaggca gagttatgta gaagactgct cctcaggggg 240
 tgggtggagct tctttctggg gtaaactctgc agtaccgtta ttagtggtgg catcctttgg 300
 ttgtgatcca ggtgcggcgt ctggtgcaga tccattggct ttagatgctg tttcttttcc 360
 gtctttttcca tctttcccat ctttggcgtc tttagcacgt gcaggaggag ggggaatcat 420
 gtgagctggt ggtgtatggt tcagcttcaa caatatac 457

<210> 41170
 <211> 527
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910007b08d1

<400> 41170

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 gaacaaaact gagaatcaag agcatagtgc tgctaaatct ttagtgctgc taaatccctg 120
 aactgcacaa gaatttaaac taaaccagaa acaaacacaa caatagctat ttatttgttt 180
 gctcttaatt ttctatacac tataagtcaa tattatctta atttcactac ttctatacat 240
 tgggtgttcta ttagcttaaa ctctctctta acagataaca ggttggtgtg ctaagtcttt 300
 atgtatctgc acaaagaggc ataccctca atcctgcaa agggcatgtg gttccgttcc 360

accacgctgc ttccaaagcc ttcattgcttt ccccgttggc ttttcctctc ttagtcttcc 420
aagagccaat taacaaaatg gaaagcatat gaagtcaatc ttctgttcag atgctcagtg 480
gtctcagttc tctttcgtgc tcttgaaacc agtcactatt tttttac 527

<210> 41171
<211> 370
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910007c01d1

<400> 41171

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gcatttggtta cttagatatg taaaaatact cagtactaat aatggagaag aacgaatgca 120
aaaaaaagtt gcataaccaa aataatgttt gaagtttact agtcttaca cagtaatcaa 180
attgtggaag accttacaat aacaaataca acttgtcatt gtagtatttg actaccataa 240
tcagcattga acttgtcata tttgtgggca tggagatgag cagatggcct tgtgtttctc 300
aaagctgtct ctatatcttc agatctgatt ggcccaactt ttggcaactc ttcttcaggc 360
accacatcct 370

<210> 41172
<211> 489
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910007c02d1

<400> 41172

aatccaaacc gcaaatgcat atctaataaa tccaacaagt tatgctaate catcctacag 60
caattcagat acgaaaaaaaa gtgaaaccaa aagtaccaag aacataaaact tccttagtac 120
tctgactaaa aaaaaacatc taagacacct gcaaataaac tggggggaag catacggaat 180
aggaataact ggaaagcaga ttccagtcaa aagactaaag gaatctaaga cacaagattg 240
tcattgagag agagtgaagc tagttgatca gctggggttag tttgctgttg agcaacattt 300
cttaacacat ccatggcttc agcaactttt gccttcagag catctggtga ctcaatcaga 360
tgtaaaactt caggctggtc catctccaga agcatgccag taacctttgc tgcagcatcg 420

tgttccagct gatccacaag cgggtataaa gcttcaccga gcatagtcct ctgctgttca 480
 gggggagca 489

<210> 41173
 <211> 512
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmro02910007c03d1
 <400> 41173

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 acaagcagaa aatatggcaa ttactctgct gtgactcatc taacagcagt agacaccaac 120
 attaagcaga atatcactgg tcttaaact aactttctct ttatatTTTT ctttttcccc 180
 cttttatggg atagggattg tgaagagga ttttctgtcg atatatagca aacgaattac 240
 acgtcccttg ttcccaaagc cccctcacca ccaaagaca gttggggggc ataagccaca 300
 tcgcatttat cagtcttcta tccctaatag ggtcgatacc ttctactacg attgccttca 360
 tcattgccac tacctectcc tntctctcgc cctggctgcc cacttggacc attgctccga 420
 tcaattctgc gngtgcgggt tgctggcact tgtacaccag gttgttgaag aacatagcca 480
 attcgaccgt ctggtaacac cattggaacc at 512

<210> 41174
 <211> 392
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910007c04d1
 <400> 41174

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 tgcacatata cactacaaaa ttaaactatcc tgaaaatggg taatatttca ttacattttc 120
 tatggcacta ctcaactcta tggccacacc taagattacc cgattacatg atgataaaaa 180
 cgtgattttg gtggcttcat aatacattcc agcatcgact ctccaatcag acgcaattag 240
 aacaatttgg ctcaaaatga attcattgtg acctagagac actaattcaa agtctgaaag 300
 tactatagcc tccaagagca gaagatccat acccaccact atagggttgc gaggacaagg 360

aagatgagga atacgatgaa ctgcccact ga

392

<210> 41175
 <211> 417
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910007c05d1
 <400> 41175

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 aataccacca cttattatct ccttgcactc ttgaggtaat ctgcccttat tgcccacaat 120
 tgctcgccca ctgatttcat gtcaggtcta tctgttcgaa tgggggctgc acattgaaac 180
 gccaaatcaa gcattttcat cagaacatct ccgtttacag cttcttccat taaaggatcc 240
 acaagttcca ccacacttcc ttcattatac ttctgaagg cccatctgag tgtaaccgcg 300
 tctgcaacag ttttcttcaa ctcaacagga cggcggtctg tcacaatttc taaaagcaaa 360
 attccaaatg aataaacgtc actcttggga gtgagttggt atgttttcat atactcg 417

<210> 41176
 <211> 467
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910007c06d1
 <400> 41176

cacaaggaag aaaagattat ttgcttacta atcaattatt tagacatcaa aattcaaaac 60
 aaataattta gagcttctag tgcagtaaac caccttaagc accacgaagt gccttaaaaa 120
 actatataaa atacattagg aacatcaggg cttccgatcc aaacatgaac aaccagcaga 180
 tacataagaa atccttagca gctaattaa aataaccaga taccgctatt tagttgctat 240
 atataatcca actcttcaact tgaaacattt aggtgaatac tactacagcc atatgttgac 300
 cacctcattc tttgccatct gctgctcgaa gtgagcctag ttgaactggg gcttgagtct 360
 gcaccacttt ggaagaccca tacactgata tatcaatacc ttgagccttc tccttctcga 420
 tctgctcctt aatccagaag tatgtgatcc tcagtccatc cttcaac 467

<210> 41177
 <211> 374
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910007c07d1

<400> 41177

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 caaatcaaat cctaagatac atgggggtacc cgtatcaata aatgccctcc aatgtaacat 120
 taatgtatac gaaaatttgt ataatctcca atatttcggc cctgttgctt tgaacaaaaa 180
 agaagagaaa aaacacccgg ggggtgacacg ggttggttga ccaaagatcc aggtcataag 240
 tccggctttt aaaaacaatc tggggcttcg gcggtaagga gtcacctggg gggagagttt 300
 accttaacgg ggatttgccc ccttctaagg gacccactt ttatattcac cgggggccta 360
 aggcgtaacg gaaa 374

<210> 41178
 <211> 406
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910007c08d1

<400> 41178

aaaccaacc aaaatTTTTT catctgaaat ttatatttta aatttcaaac aaaaatatca 60
 tcaccataga taaaccactt aagtaattat ataccatata ggggggagaa aaaaaagaa 120
 aaggatattg cagaaccctt taaaactctt cgaaactcat ttaatttaa aaaaaatttt 180
 ggggggtaga taacaaaaag gttgtattac gaggcggggg agaactgggg gtggaaactt 240
 tggggggaaa gcagagcaac tggggggctt tgggggaggg ggggggctaa gtcccaccgg 300
 ggaaggatca aaatcaatct gcgccaacac attctccaat tgaaaccctc caatcacaat 360
 tgaatttctg ggattttcac cttcattaac aaaccctaag cacata 406

<210> 41179
 <211> 446
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910007c10a1

<400> 41181
 aaacaaaaaa atgcattgaa ttgagaataa caatgaaaa gtacatcaat acaaaaaaaa 60
 taaaaataaa agactaaaca tacatcaact ctgttggtgg tagcacaaga aattctgctt 120
 cttattgcaa gagcatgac taccaacgaa gttgaaaata agaattacaa tggatccac 180
 ttattccaac acacatacta caaccatacc atatgggac actcatatgc agccagacac 240
 cacatggcat agcataacta ttcaaaaaac atggcatcgc ataaataacc aaacccaaaa 300
 aataaatgat acaagattca tccatgaaca agacaagatt cttagctatt aacaaatgca 360
 caatgctttc tgatctctcc ctctgtccct gtcttcacct taattcttcc cttttctct 420
 atggaggttg caaactcagc aaagaatfff tcaactgacc cttcagcaat tcaatgattt 480
 gagcctttgt actgaattag taacaatgag catctgac 518

<210> 41182
 <211> 505
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910007d02d1

<400> 41182
 aaagactaaa atgttctatc ttgctttcca atacaaagg aacttgaaaa gtaaataagt 60
 aaatgaagtt tatcgctcgt attgagatgt aaaaatttga ccaagctatt agtattatct 120
 tatagcccat ctataatatc caaaacatta gatctttggt gctccaagcc ttctctagta 180
 acaggtgaac ttcctacact attgctatga tgccaaactt tggcacttct tttcttggtt 240
 acttcaagat tctcgctttt gctaactcca gggcttcttt tctcatagt tacctcttct 300
 aataatcttt tctcctcttg agaaagggtta gatcccaag gcttgtaaat actgtctaaa 360
 gatataaatc gcaacatggt tgattgaaaa tcaagtcgcc taggagaagt tcttggtggc 420
 attggcctca tggattgtg tctgtatctt acaaatgtaa ccaaatagtg aagggtgagtc 480
 aacaattcga ttatgtaaaa atcca 505

<210> 41183
 <211> 517
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910007d03d1

<400> 41183

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ggcaaaatct tccccattt tcatttatta tgcaagtcac ttccatacat taagcaggag 60
gtaaaggcct ttggatgaac catattatac aacaatacat ctcagcaacc tcaaccctaa 120
taagttagaa gtaagtcaat ccaaagttaa aagagtatgg catgctactc ttgctgagaa 180
catggaatca aggtgaacta aactgactta tttttcttgt taagattcta gatgtaaaat 240
ttggtgggggt ttattcagat tgccatactg tgatttggga cagccctaata gaaaaaatta 300
tgtgagcaca ttgtgtcatc agtaacagca gaagaaaac ctttagacc taccttcaat 360
attgccacct tttgggggttt ctccagaatc atctcttcta gccattaaag cacttgtagc 420
gggagattcc ggtggcaata caacattctt agacatcatt cgcattggaa caaccggctc 480
agatggtgaa atagtagtta gatatcgaag cagcatc 517

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<210> 41184

<211> 458

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910007d04d1

<400> 41184

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gaaaagaatc agaagcaaat atattatacc atatgtatat aatcaagcga tgatgaaatt 60
cacccgcaca attcaagcga aaacaatagg ttatgtacat cactcagaat cacactgaaa 120
tattcaacct gttccttttc gccattcatt ctctgcacca gccatttac actttttata 180
tttttggcaa aatcaggaat tttgtcctcc taaaattcct tcctttccat tataccccac 240
cttgacaaaa accaaaaaca aaagggtaaa ataagataag aaacttgaag gtttccccac 300
aagtatatgt ataggccaag tagaattttc caaactcatt tttattgtct tctctgcctc 360
tccggaaatg atttagcagg cctgaggaca cgttttatctt gcggcaccgg cgctccaaaa 420
accatagttt gggaacgtgt caccatgtca accatgga 458

```

<210> 41185

<211> 453

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910007d05d1

<400> 41185

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aaaaaaaaatc ttataataat aactaaatac atcataaaaa aattcaaagt acaaggaaaa   60
agaacagcat caaccaaagt gataaaatac aagctgtcca agaggacaaa gatccttatt  120
cttctaaact acaaagaata caaataggaa actggcaatg tgaaaaagaa aacatggtga  180
caaacacaaa tctgtgctat gattcaatca gaagcaacaa tccaggaccc agcagcagca  240
taaagcagca caacatccct tccaaaatcc atcacccttg cttgtggttt cttctggaac  300
tctttgttgg gggtagccta cagctgtagg atcacctttg gaaggataac ccataggtgg  360
tggggcacta acatacagtg ctggaggata tgatacaggg gattcttgct gattgttgaa  420
gcgactcatg ttgatgatga tgatgaagta act                               453

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<210> 41186

<211> 428

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910007d07d1

<400> 41186

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gcaacataat atatataaat attactcaag tcaaggtaca ttacattcat agatgatgat   60
taataaagct ttaataaaca agagaagatg agtacttaat tatgaagagt aaaatgagaa  120
atgactaagg atgcacaaga cagaaaagga aactcaagg aatacatata tggaaattaa  180
aaaaaagaaa aagaaaaaga aaagacacaa aagggatata aaatacacc ttggacacaa  240
gcatgcttat ctacaatttg atgcatgccc ccatggtttt ggccttctct tccaaacacc  300
ccaacaact gtagctgatg agaggaaaag acgaaaaagc ctaaattagg gaactgcata  360
gacagatcac tagcactcct caacatagaa attattattc ttcgggggaa acaccatgca  420
tagccctt                               428

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<210> 41187

<211> 447

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910007d08d1

<400> 41187

gaaagtacat actgctaatt gctaaactcag tgccaaaatt gtaattctga tattgactac 60
 aagccacaag gaccttcata agtgctgcag ttgctcattc tttattctac aattttactg 120
 ctgtctgaag ttgtcccatt ttaggaagac tatgtgctta tagtattcca tttatagtga 180
 aatgcaatca ggagaaaagt cctgggggat tgaaaggga atttgggtca atttccactg 240
 gatcaagtga gaaattgaaa tcaggaattg gagaattggg tgctgatgtg gtgggtggaaa 300
 tgatcgcatt gatatcggat tccgaatgtg gcttgctgta gatcccatca aacacattca 360
 tctggagagt tggagatggg aaatagtttg aggtctggat tgttgtggat aaaagggtgtg 420
 tttggtatac gtcgcttaag aaggact 447

<210> 41188

<211> 473

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910007d12d1

<400> 41188

gatattgaaa gcattattat tattattatc tccaaattaa gagcaccacc aaattccaaa 60
 tatgcattgg tacaaaaaca cacaaaacat aatgacacat aaattgacaa gcatcatttg 120
 tgttattaga aagtacgtag attgatccaa aaggtaacca catactcctt agatagagat 180
 actgttggga attcctctga aagtcaaccc ttcctcactt gtaggaagga gcaatgtgta 240
 tggtagctga acaggtccat atcgggtttt cttgggtggaa tcattgtttc tcgctgtgat 300
 ttttctctca atttctgcca gcttgcttcc aaactttttg aaggattcta atgcctttga 360
 atcagatgtc caatttggat tgtctctctc cccaaggag atctcatcag atgcatgcct 420
 tgacaatatc tctatgactg tgagatcaat aatgtgctgg cgcttcggcg tga 473

<210> 41189

<211> 449

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910007e01d1

<400> 41189

gatgccatgc cgtgctttac aacatccgtg catttccctac acatccttag caaacataaa 120
 gtttagccct ctcttttact cattcacttc tgtctctatt caaagtctga gtccatgttt 180
 cccattgctt tcaaacctct tgggctcttt ttggatatct tcttctccct aacctcgtat 240
 cgttccaagg gaagatcgca caaccatgcg cccggactaa caagattgag ggttcgttga 300
 atgaatttaa ctctcttctt gggctctctga ggcagctttg agcccttaat ggcgagaaaa 360
 tct 363

<210> 41192
 <211> 332
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910007e06d1
 <400> 41192

cttctatgat ctttggttaa tattttaatt tggcttaatt ctttctgttt atttattgaa 60
 aaaaccagc cacgaccag gggagaggga gagtatccac aaagtactaa accagggcca 120
 aaactggtgc gggaactgcc aaaaactcca tcgcattagc acccaccgga gaagacacta 180
 agacctagaa taaaccatac agaatgaaga ctgataccct tacgtaacaa cataggacac 240
 ttagaaaaca cggattgaca gagaaaccca gtccaacgca taagaggggg acttctggag 300
 agaaaaaata gccgaatcac cttcacactg cg 332

<210> 41193
 <211> 490
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910007e07d1
 <400> 41193

attattaggc gaattataga tgtcctaatt ttattgaagg tagctcatca tgtttttttt 60
 atgcttctca taacagactc cattcactca ctctatgaac cccaaccaac caaccacatg 120
 atactgatat tgaaaaggaa aggggaaggg ttctgaaatg atatccttaa caccacaatc 180
 ccctaaacga cgacacgaga aagaaaagaa gagaaaaaaa aggcaaaaac gacaccgaaa 240
 gaaataacac agattcagag attaaagccg cgggtcaacg tcgtctaaga gagttgaccg 300

cagttggcga tgacaacggg cttggaggtc ctgccggagc tggatccgac cttctcgatg 360
 tccttgacaa cgttcaatcc ttcgatgacc tgtccgaaca cgacatgctt tccgtcgagc 420
 cactctgtct tctccgtgca aatgaagaac tgagatccgt tggttccggg accggcgctt 480
 gccatggaga 490

<210> 41194
 <211> 481
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910007e09d1

<400> 41194

ataacaacgg ataacatttt tatatatattt tggaaaaagt attgcgcatc ccctcagaga 60
 gattcgctca caaagcccc agaactctt ttatttggtg ataaaataat aacacacaag 120
 ccgaggata caacattaag actaatttga atcaccaaac tttaaaagca ggtgatgatc 180
 aattaattaa gggcaaaaca caagcctata atcagatcct cccatgcaag tgaacatgct 240
 gattgctca tccatagggg aactcaaagc atttggacac ctctctttga ggaacttgga 300
 ataatcagtg ggaccgcaac ccgcatcacc ggggcttcaa cagtactgag gtgtattgta 360
 aacctggcac gggatgttgc atccgccggt tacctgttac tgagtgggac actccttcac 420
 gatgtctgcg gcgcttttaa ctgagctgcc atgtgaagtc gggctctcct gcaagggaa 480
 g 481

<210> 41195
 <211> 462
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910007e11d1

<400> 41195

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 gtataattga tacaaaacct caatgataga aataaatgca aacaaaaaaa gcaatagaaa 120
 ctaatagcat ggcaaaagga tccgtaaaga actgcggggg gcaaaagtaa tcgcagaaga 180
 ttgtgagagc ttaagtatgc atgaaaggca gagttatgta gaagactgct cctcaggggg 240

tggtggagct tctttctggg gtaaattcttc agtacgggta ttaatgggtgg catgctttgt 300
 ttgtgatcca ggtgctggctt ctggtgcaga tccattggct ttagatgctg tttcttttcc 360
 gtcttttcca tctttcccat ctttggcgtc tatagcaggt gcaggaggag ggggaatcat 420
 gtgagctggt ggtgtatggt tcaagttcaa caatatctgc ct 462

<210> 41196
 <211> 370
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910007e12d1

<400> 41196
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 cattcgtgat gtgtctatca gcctgataag ccaactcggg atttgcgtta ctattaaaaa 120
 atgtacgatc ccacagaaca gatcttttgt gctgtgaaca caaaactaag gttgtcgcac 180
 aaaaaaaaaat gtgtacagag ttgaatacta caaaaaatgt gaatcacttt ttttcccca 240
 gaatgtaata cagtaacttg ggatgcataa tttgccttta ttcctctcga atctatcatt 300
 ttaattcaat tggtggtgcg ttgtgataac ctattcattc gggtcagcat cctgaaccct 360
 ttctgcatct 370

<210> 41197
 <211> 298
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910007f01d1

<400> 41197
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 aatgtccatc caattctcct agtgacaaaa ccatacatgg aagatcactc cccaaaacaa 120
 cggggactaa accgattcgt gttccatatg ggatgacatc tagatttatt tgtcatcccc 180
 agaattaata cgcggtggcac ttagtagctg gtttattgct atcatgaacc aatctttgca 240
 tgttgtcgaa catattgacg taaaatggcg cctcctttct attattctac ttcacctt 298

<210> 41198
 <211> 412
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910007f02d1

<400> 41198

gaattggaga aggggtcatat ttcttttcatt atcattacaa gcttagcaaa acatgagcaa 60
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 gggacgagtg gacttgtgac ttgctgagtc cttcatccct taaatcgaat tcctttggtc 180
 aggggtggagt ggggtgtatga atgcagaatt catttgccaa accttaactg acgcagtcac 240
 agaggcctcg gtggcattat taaataaaaa caatctagca gtcctataga ttgccttggg 300
 tggataaaact cgagatgtta cacacgttct tccaccttga gcaaaacttt tcactataga 360
 atgggtccacc agtatcctta cagacaattt ttcgtctttt agtactggga ct 412

<210> 41199
 <211> 347
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910007f03d1

<400> 41199

aaccggagaa aaacaaagat gttgaaatat ccatgtaaca agtaaataac caaaacgaac 60
 gtttttaaaaa taaataaaaag gccttagtgc cacgggtcttt aacataaaaa tcaattctac 120
 agtaaagcag gaactaactt tgtgccaaaa ctcaaaaaca gattcggatg tgaaaacact 180
 aaaaagctta acctaataac gaccaatagc ccaaactctg accacaccat cggtatagcc 240
 actaaacaaa gtgcttgcac ccgcactcca gttcaaactt gtgcaataaa taaccttctt 300
 cttgttggcg ttaccaccac cggaggtggc atcagcctca gtcttga 347

<210> 41200
 <211> 328
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910007f04d1

<400> 41200

ctgggggaggg caaaaatgtc tgcaattaga atcaacaaag agccgggtcc ctcacatcaagt 60
 gtttaataat gcaaaaactc catcccctac acagaagaga caactaaaaa aagcttaatg 120
 ctectaacag ggtaacaaca ccgggtcccg aaaccgattt attcatactt ctcatttctg 180
 cccgagcaag aagacactaa atcgcaggta gacaccagca cataatgtct agacaagcta 240
 ctttttttta gaacaacctt aaaaagactt cttggcaaca aatacaagca ggtcaatgac 300
 acgtgagctg tatccccact cgttggat 328

<210> 41201
 <211> 453
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910007f06d1

<400> 41201

acaataataa atccatattt ttataattaa aagtagtaga ttacagcgat gcacttgaga 60
 aacatattaa gtggactaat tctccctggg caagcaagaa aaaaaccagc tatgacccaa 120
 ggtagagaga gattatacac agaatactag taattaacta agactggctc tgcaattgcc 180
 aaaaactcca ttgcagtagc agccacctga gaagacacta agacctagac tagaccatac 240
 ataatgaaga ttaataccct tacataacaa cataggacac taagaaaaca cggcttcaca 300
 gagaatccca gtcgatctca taagaggggt acttctggag attaaaatta tccgaatcac 360
 cttccactg cggctcgctg acgtcagcga aagtccagaac cgaaagcggc gaagaacctt 420
 cagaagagga ggaagcagct tcgaccttac aag 453

<210> 41202
 <211> 537
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910007f07d1

<400> 41202

acttggcact tgacagtcac accctcgtaa ctgaaacttg taaacaaaat aatgataagt 60
 atgaagtaaa aatccaaatt acaacttatg ccaataatca catcaaatta taaaccccct 120
 tccgagtcta tgacttgggt aggtgtttag ccttgccaca aaacagtgca ttgggaggaa 180

gaagagtctc agtgatatcg ctctgctcat tgttccacac cctcagatac aattcttgtc 240
 ctaaatacct ttggggccag attgcagatc tcaagttcca cataccctta ttgtccaaag 300
 ataccaatat ggcactccaa gaatttggat acacctgaac agtgtgtcta gtcatcccat 360
 caaccaagtt gtaagtcttt ctggaatcag ggatccacaa gccattgtca tatccaacaa 420
 catagaagct agatccatcc atgtgccatg actgcggtga attctcattg tttggaagat 480
 aattcttgca agtcatggag ggtgaatcct atgacagatg tgcctaattt ggcaggg 537

<210> 41203
 <211> 481
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910007f09d1

<400> 41203

aaatcaaata ttgaagtacg ataatttaat ttcaaggctt cacgaaatta agagtgaagc 60
 caaagagaac gaattcatag acatatagat agagtatagc attagctatt acaacaacat 120
 atccaaatgg aagtctgttt tctccacttc aaggaatata caaatatatg tacagaatga 180
 tgatatacgt taaactaaag tataatgaat aaattgttta tttgcccttc ttatcctcag 240
 gcaaagcaga agctgtgcat atgggaggta gtttgggcat agagggggcac ttcgtgggtgg 300
 ggcgagattg tgatcatgtg cgcaagcttt cagcgtgccg acatcgtgca tgttcttgta 360
 ttcttccagg cagattgcac aagcttcttc ttctcgactt tgctcagatg aacagtatat 420
 tgtttctgtc aaatacttgg aaatcaaata ctcagacaat cctgtgctca catggcctat 480
 t 481

<210> 41204
 <211> 471
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmro02910007f11d1

<400> 41204

gataaattaa cactcacaaa gcactacaac aacaacaaca acaacaaagg ccttattcta 60

acatgcacaa agtcagctgg ctccagccatt gccatgaacc gtccatcaga tgtaaaccgt 420
 atagaacgta tagctccaag gttgccctta agcacagcaa tagattttga caagttccta 480
 acatcccaaa cacggcatgt tttgtcttgg ttcccagtag caaaaatacg gcc 534

<210> 41209
 <211> 492
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910007g07d1

<400> 41209

aacacgttaa aatcatatctt tattatctac atgtaattca acattaatta ttacaacttt 60
 ttaataactca aataggagta tcagcggcac gagcctctcc ctagtctcat tatggaaatg 120
 cactcaaagg aacttcatat ccatgcttga acatttgtcc caatgttttt aaaaccatgg 180
 aaatctggcc acggctcatg taagctttgt acattatcca taatgttttc tttgagcatt 240
 taagcttgac attttccatc tcttcaagga cattatgcat ttcgagtaag gtcattctgtg 300
 acccatacat gactagctta caatgatata aggatcggca gatactccac ccagagattt 360
 ccgcacgtct cacaaaatct tctagctttt ctactgcatt acatcgataa taagttgcaa 420
 ttatgcgtct caaaaataccc ttggttgta tagaagtcac atgctcaaat gcctcattta 480
 tagcattctc ca 492

<210> 41210
 <211> 512
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910007g10d1

<400> 41210

aaaaaaaaa acaagttcct taaactaaac aaaccaaatt gcctcaaaag tcaaagccac 60
 atagtttttt tcttcaccaa gtaatgggat caacgaggat taacaagttc atcattcaac 120
 agaaacaaac atgacaggta aacaggattg caagggaaaa taaaccactt tgtgccctca 180
 ttttaaggaga gtcttcacaa ttgatttgac attgagcttc ttgaggtcag tataagactg 240
 tccacagccc acaaacatga caggagctcc agatatgtaa accattgaaa gtgcagctcc 300

caccttatca tctatggtgt caaatttcgt gagcaagatc ccatcaatca atcttggatt 360
 aggtgatggt gcaaggtcag ctaatttctg attgaacttt gaaagctgat caacagcgtc 420
 attaccaacc agtgcttctc caacaaataa gactagatct ggattgttaa ggtagatgag 480
 ttttgacagt gctctcataa gtggttcatt at 512

<210> 41211
 <211> 469
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910007g11d1

<400> 41211

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 ctatattggg tcttaaactg gctactgtgt agttatcaaa ttaaaatgca gcacagaaaa 120
 tacattacat gccagtagt ggtctccaga gtcaacaggt cagctgtggt cagatctccc 180
 cccaaacaag attatgatga gctacttgga ctttgggtgag gtcgaggtga tgaatttgga 240
 gatctggatc ttgactggga tctgcaaaat ttagtaatta acaaaactca attcaatata 300
 cacaatgatc cagcatccaa tattccacat caaagttacc ataaccaaaa cgaagaaact 360
 aatccaccac aaatcttgag cagcatccaa gtggaaaagc aattgaaccc agtatcacac 420
 gtctatagtc tcaaacaagt gtaaaaattc tattgtcaac agcacatga 469

<210> 41212
 <211> 329
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910007h05d1

<400> 41212

catctccatc tatttccatt tgatgtttgt ctgaagaata agatctccac atttgcagtc 60
 caactttttg caaatcatga cttagaattg tataaaactc aagggtggga ccagaccat 120
 tgccaacttc accaaaatat tctacttcaa gtacagcttt ttggctagaa tacatctcca 180
 taacttttgc agcaaaatcc aggacacgat ttctagagac acgaaccttt tggcgctgca 240
 atttccaac tttcacctcc ctctcagttg ttgaaccatg gccatcaaca ccttgctgct 300

002220-032200

gttgaagtcg atacagtgcg cgagataac

329

<210> 41213
<211> 486
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910007h10d1

<400> 41213

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tttcaagacc aaaggagctg ttacaacaat gttgaaaacc agggccagaa aacctgtggg 180
aactagaaac ccttctgccg cattatccta atctgatttc aaaaattcca acaagaataa 240
acagcattgt cacctcactg ttccttccga gctttagatc tggcaggctt tccaggttta 300
attactttac caagaagaat cataacaaca ggaacaatag ttccaatgta atacacgctt 360
ccatatgatg caagagtttc atgcagactt aacaccatga aaccaacaca ggagtaattt 420
agaacaaaaa gtgtataagc aaaatttgta aacaccaaca cattcttaac cagagacatt 480
gtcggg 486

<210> 41214
<211> 454
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910007h11a1

<400> 41214

agatcgccga ctctttcaac aataacaatg gccgataacg caacaacgca aggaagcatc 60
accctattgt ctctttacaa gatggccaaa ttcaacctct ctcatagggt ggcgttggct 120
cctatgacaa gatgcagagc gtttaactgg ataccacagg cagcgcttgc tgaatactac 180
gctcaaagat caacaccagg tggattgctc atcagcgaag gcaccttgat ctccccact 240
gctcctgggt atccccatgt tcccgggata tattcagatg aacaagtgga ggcgtggcga 300
aacatactgg atgccgtgca tgccaaacgc agcattatct tctgtcaact ttggcatggt 360
ggcgtgcct ttcatccaga gcatgaacct ggtggagctt caccaatttc gttcaccagc 420

002200-032200

aagcccatat cggcgagggtg gaggattctg cttc

454

<210> 41215
<211> 500
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910008a03d1

<400> 41215

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agaaaaacat ctcttgctaa tgctatactt gataaactac gggcttaaca cattgatcat 120
tacaaccgga gagtttcaag aactgaaatc agagcataat cttcaaagga aactaattaa 180
actagtaaaa gaaacccagc actttccac caacattctt tctcctagct tcttcatgat 240
ccatgatgcc agctgaggta gtcaacacaa tatacccaaa ctgtcttgag gggagcagcc 300
tagcagtcca accttcaatc tctttgacac caacatcaaa acgcggaata ataaccacac 360
atgtgttcag tctaccattc aattcaacaa caatttttgc agctctgtga tcatcaacgt 420
actcaaactc ttcaatgtac ccattgctttt gcattcacaa aagggaattt agtatcactt 480
ttgacgatgg cctaattcatg 500

<210> 41216
<211> 437
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910008a05d1

<400> 41216

gtcaaaataa gggcttaata ccattgattt caaagtgaag ggcacagttc atgcgaaaag 60
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atatagttag gcctttgtca taatatcaca tgtcacatac ttggcagaat catgccagcc 180
taactagtca gatatgaagc atccatggtg ggatgagaga attgccacta gggactgttt 240
gagcctttcc cgtttcttcc accaatgctc ttccttgga tgtctcacag agagttagag 300
aaggaaccag tctttgttgt ggcggatgga gctgtggaga agttaagta agggcccatg 360
aatttgggcc tagagttttt gggccaatat gtggaccttt agtcactggt ttcgctttct 420

<400> 41219

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 tatttacaaa aggtgcacct attaaaactg ctgaaagaat aatgaaaaca ccgaactcca 120
 agaagacaat aacagaaaat aacaataata ataataataa taatagtaaa agaaagaaaa 180
 agacagtcaa gaattttaca aacacttgct atgcactatt ttctactatg ccttgaggat 240
 ttgattgaga tcttcacaac agaaatatta atgttgcatg tcaataccaa gattggcccc 300
 aggatgattc ttagattagc accacataaa cagaagccta cccaaatgcc tgattctttt 360
 tctttacccg gttccttctc tctagtttct tctaataagc atcttttagac caagccaaaa 420
 aaatgtcaat catacattag tgcaagagat catatgcaaa gttcaatggc aaagtgtctg 480
 tccataagtc acccagttta caaaagtatc tggaaa 516

<210> 41220

<211> 537

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910008b01a1

<400> 41220

ccacagaaaa actcacaata tatagctaca atgtttaaac gtagttaaga aacccgataa 60
 acatgtatca taatgcagat agagtcatac aagctgattg ccttctcatc atcagattgt 120
 taaaatctgg aaggcaatct tcagaatgaa accatctcta cagaaccatt acaattggtg 180
 ctactctaa caacataagt actatatttt attaacaagc ttataaaatg aaacttaagt 240
 agtaaggatc ggtggaaggt aatcaacttt gtcgccaaga acacgagcct tgggtgacagg 300
 gaagaattca aatcctggaa gctcagtgac aactccttcg ttggaaaccc caataggata 360
 tcggagcagg tgaccaggaa ggtcatgctc aagtgactca cttgaataga tatcccaata 420
 cttgtcagca atttggttca ccttcttaat acattcttca ttttcagggt ggaggaaaga 480
 gtcataagc aagccaaggt gtcatacca caacgacatg cggaaccat ggatctg 537

<210> 41221

<211> 453

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910008b01d1

<400> 41221

gcaacaaaag ttaaatttat taatagtagt aataatagta acatattaaa tactataatc 60
 actagccaat caagacacac cctctctcga gtgagtgatg aaccttgcaa ttgcatcaa 120
 ccttttccaa gtttcaaccc caattaaccg aaattgggga tccaaccagg tgcttcccat 180
 cggaccattc tacccttcca aaagcgtttt ctgtatgctg tggcgaaccc gatgacgaaa 240
 acgtgacggt gaacgttttc ttctcgttct ccttgaaact caacacttgc ggttcaaccg 300
 agattttaac ggacgcagtg tctgacgtca cggaagcttt gtaagttccc gcaggcccca 360
 cgtagtgag agtctctgtg tgcttaacca cgctccctga tgattcaaac aacaccgcaa 420
 acgaagggtg gttgaggtcg gtcacactgt act 453

<210> 41222

<211> 482

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910008b02a1

<400> 41222

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 caggtacaac aaaggcaacc aacccaaaagc ttgactccat ggttggttct gaacgaacta 180
 gaacccatcc ttacaaaatg gaagcaccta taatgtatat aattcctgta tctgtaagta 240
 gaaattgtac ccaaaaggga tccctatttc atgaattcca aaactttctg tgtaatatct 300
 tcaaggaaaag aaacaaaacc catcacactg gtaagaccac ttccatcaac atcctgctct 360
 tcgatcagaa agttctcaaa aattgaggca tcatcatgcc ctctctgaat aaaaatgagc 420
 ttgggagtga tgcattctct ttgcttcaat ttgttgattg gagtccttaa caaacaatca 480
 tg 482

<210> 41223

<211> 498

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910008b03d1

<400> 41223

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ggtaaattct tataaatcat gagaattagc tgttcaatac tgcttacaat cagaagcata   60
cagatgcacc ggaacaaaaa gaaccagggc agtcagtgcg ctaaaattgc tagagacaaa  120
cataagacac acaattctat tgcaaataac agtgtatggc acaaggcttag aaaaacaatg  180
acatacgaac catactggaa tgcctaacaa tttttttaag tgcctattat ctcaagttaa  240
cttaagatca ttccctccca gatgagggcg gaggcaaaca cggacttcat gctcttcagg  300
tcccacgcga tgttttgcca ccaggatctc aagcacagat cctggcccat cgtagtatgc  360
ttctatgttg gcgtcttcag gaattcgggt tgaaagaggg atttctcgga cgaactctcc  420
aggagggcag tgctctgacg atggatctgt aagcttgaat gtcctatcat gtctcttgat  480
gagaggcttt cgagatgt                                         498

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<210> 41224

<211> 494

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910008b05d1

<400> 41224

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aaaacaaatg cctgttattg ataattaggc taaaaagcca ccaaacacgt attattatTT   60
taatataaac gtacacaaac aaactctaaa cgagtttttt ttttttggtg gttgttggtg  120
ttacaaaccc caagcaagtt tgaaaagtgg tacacaataa tgaaataata tatgaggcat  180
ctcagatggc cacactatgc aaaacaacag tttcaatggc aagtccaggt ccaaaccga  240
acaacacacc ccattcaagt ccttcacctg tggttttatg tccattttca gcagatttcc  300
tcctcatctc atccaagatg aaaagaacac aagcacttga catgttccca tattcactaa  360
gcacatctct agtggccttc atcttctcag gtttgagacc caacttttgc tcaacttggc  420
ccaaaattgc aggccacca ggggtgtgcaa tccaaaagat ggagttgtaa tcagagatgt  480
tcaatggggg tgaa                                         494

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<210> 41225

<211> 407

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910008b08d1

<400> 41225

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 aaaaaacagg agaacttaat cctaatttaa gtgataaaat ctacatttat ggtgaagaca 120
 ggaaaagagc aacgcatttt agaccagaga ataacattaa gtcaatcatg ttttagcaac 180
 ggccgcttga taaggaataa tataattttc ctccacctgt ataagtatta atagccgttg 240
 cagtatgcct tatatatcaa aatttcattc tttttgctgg tccttgatca attatcggat 300
 cagcagtagg agcttgcgta tctgctgctt cttgagtctc agtgcctttc tccgattctg 360
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<210> 41226

<211> 535

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910008b09d1

<400> 41226

gaaccaaacc aaacctttat catcatccca gataaaataa atacataaag cgacatttta 60
 taagtgcaga taataaaatt acaggaagaa gaagaagaaa aataaaagct agccactagt 120
 agagatggtg gttttgttgg tccacttgag aaccaaattg gagatatggt cgggtggagga 180
 accatttga gagagagcct tagccgcagc ctcttgaga tccttgattc ggtaacgaag 240
 cttcttcctt tcatggcctt ccatgaggca cttgacaacg ctggctatct cctggctctg 300
 gacaagtcca gtgtcctcgg caactttggg cctcagcgcc accttgactt catgcatgag 360
 cataaacgcy ttggtcctct gctccgcgaa cagaggccag gctattaaag gcacgccgtt 420
 caccacgctc tccagtatag agttccagcc gcaatggctc aagaatcctc ccgttgattg 480
 atgggcccaga acctgtggct gcggagccca tgacttaacc aaaaagcccc tttct 535

<210> 41227

<211> 232

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910008b10d1

<400> 41227

gcaatcaaac ttgcgcttct tgcataat tgc aaatgga cataacatat ataattacgt 60
atttaataata tattatgcaa atcactaatt agtagtagag taataatagc 120
actaggaata atatagtaat taaaagaaaa attaagaagc tagcatcaga tcatacactt 180
gtgattat tgcacctcag gaatgttgac tgggtggaatc acgtccatcg tc 232

<210> 41228

<211> 493

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910008b11d1

<400> 41228

gccgtataat aaactaactg ttcattaaat tgtccaatag attacacttg caggacaaaa 60
accctcaaat aaaatctcta aaaacctact cgagtccgag tccgagtcca aacaaattcc 120
atcaagaaaa taacagggaa aaacaaggaa aaaaacagca tctattttaa gtgtcctgta 180
caaagataat aagataaaca cttcatcaac acatgatatg ccgatttcat gtccaagatt 240
gtgttagtca tgccttccag ccaaaacca tgttatcatc aagatcactg ttaaggaagg 300
gattatccgt gaattcattg ccaatatact gaaccacatc ttgcaaatgt agattttgtg 360
gcatctcaga tgttctctgg tttaatccat tgttgccacc agcagcagaa gaatcactat 420
ttgcagttgt tttgaagcta ttattccttg acatagggtcc attgtttcct gtaacattgg 480
cagaacctcc act 493

<210> 41229

<211> 542

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910008b12d1

<400> 41229

agaataaaaa tttgctttca acattttccg gaaacggagg acacaggtat agaattttgt 60
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atgaacaaat atcaagaaac agggaagctc cctcccaa at tcaaccctat acaagatatc 180
ctatgttaca gaatgtgcat tcaatatata tattaatgaa caaaaatatg gttaaattct 240
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aataagggttt tccagagatt ttgcttttct gtcccggtgc ttgcttgctt ctttcagaag 360
ctcggccaga cgacgcttct catcttcaaa atcaggattt gctattccaa gcttttcctc 420
cctcaacttg agcacatatt ctaagatttc aatcgcatct cccactcttc ccatagcatc 480
atatgtagct gcaagattgc tgtacacccc aagagtatcc tgatgacaag ggccacactc 540
ct 542

<210> 41230
<211> 408
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmro02910008c01a1
<400> 41230

gatcacaaaa aaaaatctct taatggagag cttgaattgc aatattgaat acaaatccat 60
tttcatttca tttttcacia aaaaagaagg ggcaaaaaat caggaatgat acattttctg 120
tggaacaaat ctgcacaata aaggggaggg ggaaagagaa ggggttaaaaa accaccaag 180
aaacaaaaaa aactgtaaca ctgtttttga ttaaaagacc atgtaggagc gctatctgag 240
tgttacatgt ttcttgcatc ctctctcgtc atgtaggat tatcaagaaa aaagagtgc 300
actttcaaac taactccatg aggagtggat ccccttctgc cattattctg ataagcttta 360
taaaggcttg ctcaattgat aactcaatg gatgaacagc agggactt 408

<210> 41231
<211> 563
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<223> Clone ID: jC-gmro02910008c01d1
<400> 41231

aaaaaaaaa cagaagtata ttaataatta taaaggata tgtgcttcaa atatcaggaa 60
atgttctcgg cattatatac acagtaactc tgatgatcaa accttccaaa catcagaaat 120

gactaaaaac tggcagagtt tctccgtgac catgttcaga tatataagca atgaactttc 180
tcaatctaaa agtcataaga tactattaat cctctataat caaaacattt cttcttggtc 240
attaagtatg tgatcagcgt aattaaaatc taactttcat ctaattagag gctgctctga 300
tgaagcagaa ggcattgtct ctagctgctc cttaatgact atatcttaac ggaggaccaa 360
acaagctcaa taccacaggt agaaacacaa gaccgtgtaa gaagccaatg ataaccaagg 420
ccagatacat ctggaagtaa tacaccacaa aaatttctga tgttgagagg caaaggacga 480
ggactccgac taattntgta agtggtgact tcaactgaata cagaagcccc atggacacaa 540
tgctgcattg ctggttggt cta 563

<210> 41232
<211> 498
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910008c02a1

<400> 41232

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aatggaccat aatatcgta catttcattc tcttcacca gttcaaacat gtagaacaaa 120
aatgagactc actcactcac tgaacctgat atgtatgaga caacaacagt tatgttatca 180
agtttgccac cataataaca gaatccagct ttttcagcag cagtagaaaa tgggtgtccga 240
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aaaacctcac cagagctggg tagatcagcg ccattcccac tcttcaactg atatgggaaa 480
ttgaagtcac gctgggtga 498

<210> 41233
<211> 490
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910008c02d1

<400> 41233

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gctacaacaa gcccataat tagagaaaga tctatattcg gctccactac cattgggaaa 120
acatcatctg ctaaatacaac tccacaagga gacttctttg tccttagctc tgcaactacc 180
actccaagct cgatagatat ttgcaagct gagttgcaag tgttgcggtc tattttatga 240
gtatacggat gaacttcgtc caatccaagt tcaacttcat aggttgaacc ccctctacag 300
atcttataag tttttgaaac tcgaaagcct ggacctttgt ggccattcct tgtacctgga 360
actggaaatc tataacccta ccaaaacctg gacaacttat attgctttct cagcatagtg 420
aacaaaatat cgccattttg atgcatgaga tgaacttcat ctctatgcct gcagttgtcg 480
ttatcaactc 490

<210> 41234
<211> 547
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<223> Clone ID: jC-gmro02910008c03d1
<400> 41234

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tatagtataa actatgaacg taaaggtggt ataccttgct ccattttctt acagattttt 180
attttttaaa ctcaaatg cataagtaac ctaaaaaatg aaaaagcatt gagaacgttt 240
cagctttggc attgagctga tgcagcaa attcagaaaca ttcgacaaaa ttacttgac 300
aagagctgca cgtttaactt atccttttta atttgaaaga gctataatat aatctgtgag 360
gtcatttgac atgggttgat tcacaatttg gccacttgag gaaggaagct tgggttcacg 420
gagacgacaa ccttccaac acttttgctt gaatggagat attaacagcg tctgcagcag 480
aatgcaggcc tataaanttc tttggatcaa tagcaacctt taactttccc gaagagtaaa 540
gattaaa 547

<210> 41235
<211> 446
<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910008c06d1

<400> 41235

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atataacatt aatttattta cactaaagta gtaaaaaaat cttgacgtac ctgtctacat   60
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cacttctttt tttaccctta taaagaatga aacaaacatt aatactccaa taacacccga   180
tacacaaaca aatacaatac acaacacaat ctagcaatct agctacttct ccatgcctta   240
aaacacaagc aaatcgttct tgatatcata tcccattttc tccaaattac gctgcactgc   300
aaactgaatc atggcgtggg ggcccatatg tcaaagccaa ggaatccctc gacgcttttg   360
gaaggtgctc cctcgcgata ctctctgtga tgaaccctac actgcatttc cacccttact   420
ttgtgatctg caccacgtac catagc                                     446

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<210> 41236

<211> 444

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910008c08d1

<400> 41236

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gaatccaaaa tataaataga aaactcttaa ttattcggag catcttcaaa ctaatactac   60
aaaccagtc caattttaat gactacaaca ttttttgaaa tcggaaatca gtcatgcttc   120
acgtgggcca tcataaccat tagaatataa tgttgaccac caaccttgaa tccttgctct   180
tgtatactta aattccctcc aagacaagct gggaatgaaa aaactcgcaa atcaccccaa   240
attaacaccc ccacctgaaa actccacctc ctgagcaggt gccaaaggatg agaccagtc   300
tgatgtgtgt gtaggaagaa gcccgaatgc attgagcttc caaacaccta gtgccaggcc   360
agccaaatta agggctatga ataacaactt atgtccaaga agctccacct tattgtcttt   420
gtagggctca aacatctttc cgac                                     444

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<210> 41237

<211> 460

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910008c09d1

<400> 41237

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acattccaaa aattccacag ctactacttt tagtatacaa gggatatatta atcacacttg 120
agacacaggg aaaggggaac acaacaccct tgccaaaaca gaacttcaaa tctattaaaa 180
aaaaaaaaaa aaaagaaatc cccccctccc tgtagttagg gataacaatt ttttaccgcg 240
tatttgaaat ttttaagcaa cacagggatt ccatgttctt gagaagatga aggttgtaaa 300
gcacgaatgc gaatatcgta tttcattgga cttgaatttg atgcttcggg ggggtggggat 360
gggtctgttc tggttgatac gaagggaaaa aatgatgaag tgcgatcggt gtaggcata 420
ccaatatggt tgcaacactt gcgacaaaaa agcttggttt 460

<210> 41238

<211> 387

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910008c10d1

<400> 41238

gggggcccgc cacctcaaac gaattttttt tttttcaaga gatgtcctcc ataataca 60
atacatggga gggtttggtt tgccgtttgc acaactcaa actccgttca cgtgttccat 120
agcagcaaac ggaacagttt tttaccgctg gattggaaaa aaaggggggt tacctcgaac 180
ccaacatttt tccaaacacc caaaaagggt tcaacaaaat gtttttcatg agggtttaac 240
tggaacagcc aaagcattca gttgaacggg ttggttaccc ccctgtctg ggggaacaat 300
gaccggagcc tgagcccaaa aataagaatg aatggctcct ttttgggaaa ccggtttgga 360
acacactttt tttggtgggc cggtttg 387

<210> 41239

<211> 425

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910008c11d1

<400> 41239

gggaacaacc catctaatta aatagctaga agcaacttga aagtactcaa aagaacttgg 60
 acattatattt agcattaaac ttaacaagaa tttttcacat ctattggcaa attacaatgg 120
 gatatttgggc ttccaaccaa atgaggtgct ccaaaccttt ggcatgtacg atggatggat 180
 ttaacttagc tggatcaact gaattggaga gagggccttg cattaactta aggacaaatt 240
 tagttcttaa aatggcccg c aagccaagtt tgtaaaagaa acttgcccttc ggggtgacatg 300
 gatcattttt gagcttgatc tgaagggcca actgaagtag ctgccacatt ggttgagac 360
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 tgaac 425

<210> 41240
 <211> 473
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910008c12d1
 <400> 41240

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 tgcgactagg acacttgctt aaccgctggt gggctaatag tcatcagatt ccacagctaa 180
 taagacagat tgatttataa ccatctattt tcaaattata tctcaagagt agcacggttg 240
 gaagcagcca accgcaaaat actgaagcat ccaagccttg taaggccgta tacaagtaca 300
 ttatgggcac cagcggcaac aaataacttt tcaactgaata ccacccaag taaaagcaaa 360
 ataaataccc aaatgaatat atgggaaact tgatgctgtc aattatgcct caaagctgcc 420
 actccattaa tttgggcagg aattcccgtc ctcaagtcaa aattgttcca aat 473

<210> 41241
 <211> 387
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910008d01a1
 <400> 41241

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aaacaggttg aactttaagg ggccaatgga ggttaaaca aaccaatttt attttgaagg 120
 gtgtttacag accctttaca cattaaattt ttttttaaaa ggtttgggaa aatccaacat 180
 tgaacattac aaaaaaatta gctcctgttt aaaaccccc acgaagacgc aacaccaagg 240
 gcaaagttga ctcttttttg atgttgaata cagggggggt ccttccatcc ttttaactgtt 300
 tgccaaaaaa aaaaaccctt tgttgggtccg gggggattcc ttccttggcc gggatcttcg 360
 cctctacatt ggaaaggggg ggggagc 387

<210> 41242
 <211> 380
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910008d03a1

<400> 41242

gagctagagc tcctttctac atatttgcta tggacctatg cattggaata gcacccaca 60
 ctggccacac gtgcatgctc tggcacatgt atgtacatgc gagctgtcat tgggtcaaaca 120
 caggcgtttg cctcaattct tggcccgaca tctgcttaga tatccagcta tgggagaaaag 180
 aatgttcatt ttagcttgca gccactctta attgggctta aaattgactg tgctgccgct 240
 aaaccagaga cagttgagac agagtgcata ataactgaga agctgctggc tatgcctgaa 300
 actgatgtat gtgactgtgg agtcaaaatt tgcaactctt ggcgctgatt cgcttgacac 360
 ggatgacagc gagatggcgc 380

<210> 41243
 <211> 523
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910008d05d1

<400> 41243

tggcgggctg tcgccctttt tttttttttt ttcataacta ataaataagt atctattatt 60
 tatttttagcg tagccttgta aggagttaca tgcagatgac tagtaagcaa cagaagcgag 120
 aggtatagtg ctagtagcaa attttgtgaa agagccctac atgacagcat gcttacaac 180
 tcttcacaag attccaacat ctatttttct tattcatcat aatactgaga tatcttctta 240

tttattgctg cttgcccgtg ttgccatgat gcatgaggat cctaagaaca cagcacattg 300
 tatccacaga gtagctgaga aatattgaat aatcagcttt catataaaga ccatcaagac 360
 agtctgcttg ggtggttagca actagcaatg gtgtttggtt ccttatctca gatgtggctg 420
 ttcacgtttg ctgagaaggt aatagttata cttecacatc ataaacatga tcttttactt 480
 ctcaacaggc ttttaaacac gctacacaca agctgattga gga 523

<210> 41244
 <211> 355
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910008d08d1

<400> 41244

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 accataaagg ctaactccaa gataaaaatt gttatcaatg gtagcataca ttacataata 120
 aagaagggtg tcgaaaggaa ataaaaaata cataacatcg acaaccgagt ctagctaagc 180
 aatgcgggag ggatggagca aaaagtgagg aagatgctgt tccaaaacga ccactagctc 240
 tctaccatgg gtcacttcat ccaaaaccct atttccaacc ctcttagcgg cttcaaccag 300
 atgtccccta agccgttggtg aaaacaagca gccacctgtc ttgacacact ctcta 355

<210> 41245
 <211> 537
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910008d09d1

<400> 41245

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 aataaattgg tctataatct tgcattataa aaaaaatatg ataacaaaat tactctgatt 120
 tgaaaactaa agtccgcaac cataaaaagg tcaacttggtg gcagcagcac caccattggc 180
 tgacttgga gaagcttctt cggatgtggt gctgttaagc tcatcccaag cttcaatcca 240
 agtcaccatg gcatctgcaa gcttggtgaa gtagggatca acagcccca gcttctcttt 300
 gacttgcttg gagagttcaa tgtagcattt ttggacagaa gtgcattctt ttggaatggt 360

ggcacttttg aagaatggaa tgatctcttc ttgccagaaa atgcccttgt actccttttt 420
gagattcaca aaaggattgc ttgctttgct gtgccagatg tatggaaggc cagtcttcac 480
tcccaagccc aaatgggtcac agataacctt aacacaccat ccagcccaca tatcatc 537

<210> 41246
<211> 538
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmro02910008d10d1

<400> 41246

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atgtagttac atagacacaa ggcaattttc ttaatgcaac aaagagtaat ccaaggaaaa 120
gaaaaagaaa gattagatct cagcaggcac acgtttgtac aaatgtgagg ggagcctagg 180
agaagccaaa gcttgtattg gagtcctcat gtatgtgact aaccctggat tctctcccat 240
gtcaatttcc tcaggcttca ttccttcagg tgggggtccaa caaaaatggg gcaagagggtg 300
gccaacatg gatgttacca agttgatacc aagttgggca cccgggcata cccggcgacc 360
cgccccgaat ggaagtagcc taaagtcatg gcccttcattg tccacatcct cctcaaggaa 420
cctctcgggt cggaactcca acggatcctt ccacactgcc gggtcacggg ccacggccca 480
cacattcaca tgcacattgg acccttttgg aatatcatag cctncaactt tgacattg 538

<210> 41247
<211> 576
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910008d11d1

<400> 41247

ctaaaaaaaa accctaagtt gttattgatt gataaaaaaaaa aaatcaaatt gcaacctaaa 60
ccattattta atgtgtaagt gaagatgaga tgacaaatct atctactttc taaatgcata 120
caccatcgat attgcaaaca acataaacta cttattctca gttttatccc cgagactcaa 180
tcccaaacga gagggattga taaacaaacc ttaattaaaa tttccaaaac tcatcacaca 240
ttggtagtga ttgcatatta ttacatata tgatgctgca tattatacct taagggtgta 300

tatatatata tatataaaga gagagagaga ctaagactaa acttcagtaa atgcatgttt 360
 ggtatcacat cctacatctc caaacaggct ataagaaatc tgaagcaaaa tcacgtgaag 420
 gatgacagca atccattcac agtttcatct agggaaacga tgcttggtga gtccaataaa 480
 gtaggcttcc ttatccagta ttgctga¹aac ctctgccttc catactcctt atagtcaaag 540
 tcaattttgt tcacataact cgaaataagt ccccac 576

<210> 41248
 <211> 353
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910008e01a1

<400> 41248

aaaaaaaaac ggaatgccca aacaataaac cctaaatttt tgggggggtgg gggaacagga 60
 tacccttttt aaacatgaca ttgccacca aagctttaga gggggggccc aattaaaacc 120
 ctccccgaa tcaattttta accggcattt tatcaatatt tgccttccca ttaaaatggc 180
 ttaaat¹ttaa caaaattttc ttttaacaat aaaattttta cccccctgg gccatccaaa 240
 cgagttttta ttttttcaac caaaaggggg gggctcaa¹ac tcccggatta ttagctggtg 300
 gggtgaaaca cccaaaatga aaatttttga tcgcaagaat ttgggttcta agt 353

<210> 41249
 <211> 451
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910008e02a1

<400> 41249

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 ttacaacaa agtgttctct agtttaactg gtttcttgtc taaaccaatc tgttactga 120
 aaaataaagt tattctcggt agtaaccaat gaagattatt cctgttagtc tgttgacaag 180
 gagttaaatt tccaaagaat ttgtaacatc aagatgatta aactatttga tcacaacaca 240
 aatatttata atttacaagt aaccagaggc tcatcttcta gttctcaagt ccgtaacatc 300
 atatctggat atcatcta¹at gaaatctcat gcgtcgttat cgtctttaat ttcgtaataa 360

tatgtcacgg aagggccttt gatcataaaa ccaatg

396

<210> 41252

<211> 464

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910008e07d1

<400> 41252

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tttacattat ttcttttcat cttacatatg tacaattgca agcaatcgca cagcttgaga 120

gtcatacata tttcacctcc tccattcttt tacaacatta tattatatgt tttccaacaa 180

ttaatcacta ttttaatttc cccacattat tgttttccct tttctatttc cactgttaca 240

ttatgtcatg acaacaacaa tagtaataat gaaagcctag aaccaattaa gattcctttg 300

tccctaacta gcccaaagca tgtttaatca ttaatcactt gcacccacca gcaccaaacc 360

caattctgcc acctgcaaca tcatacacia cctctattgg tctctggtgt acgttcccat 420

atataggaac atcactattg gcaccatttg cgggaaagcc aaac 464

<210> 41253

<211> 538

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910008e08d1

<400> 41253

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tacgctacac ttttagaaag ccttatatct atatctatac actacaaagc tttgccaaga 120

taaaagtaca ctgcaggcaa atttttcata cacgtttagc atagttcatt ctcccccaat 180

tattctttgt cacaacttta tattatccct ggattgcaac accaagagga gcagcatcca 240

taggtataat cttctcaatt tctacaccct tgttgttggt ctgggtttca taggctgaaa 300

tgtgcactcc aagtgtgtgt ctaccagaag gatcaagggt gttagaccaa gcagcatccc 360

actcaacagc tttggctgtg ctacatgcaa cacttgctcc tccaggaacg gtgagcctag 420

ctgagttctg agggaagaac ctctcaaaga tcattctgta gtaatatgct tccttggttt 480

gtggggtgtt gtgaggggag atgttaccag cattaagcat cattttgtca gtcacatg 538

<210> 41254
 <211> 520
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910008e12d1

<400> 41254

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 acaacaaaca cactttacat attcaaagta gactatgcag accaaacggg gagaaatgaa 120
 cacaagaaag gagaaaactc aataaagaag gaaaacagcc aaaaaaaaaa aagattctcg 180
 taggatatgt agatttggtt gcctatctgt agaccaaagg ctcaaagga attaacttgc 240
 aggagaaatg tcttccaaac tgcaacaaag aatgcaaaag cttaaaaata actcggtcac 300
 aatcatgcaa ataatttaat tccagaatac gctacctttt gcccaaacat tcaataatgt 360
 caccagtgc tgtggatctt ttcttattcg agaaagcaag tgatgcagcc ttcctcaata 420
 tagcggaccc ggctatgcat cccaaaactg ttggattttt aaatctgaaa caaaaatata 480
 attatggata taagaacata aacggtattt aaatatgggc 520

<210> 41255
 <211> 441
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910008f01a1

<400> 41255

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 ttactactac gaggtaatcc accgacggtg agtacacatc acaaattttc tcttttacta 120
 atacaagata ggggtagtac atcaacaatg agtaactaaa taacccatca acatttgagt 180
 aactacgtct caacaatgcg accttctctt aattttctta tctacattcc cgtctaattc 240
 ctatgctacc tgtcgtaagg gcattcgaga tcattttcag tgaccttaaa atgctgagga 300
 cggtgaccag agcaatgcag attccacatt ttaaaatag atctctcaag attcctcacc 360
 cagcgggcag tgtcaaatag agggcaagtc aaacgtacag ctttaagctt attagtaaga 420

gctttaagct tcggccgatt c

441

<210> 41256
<211> 373
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910008f01d1

<400> 41256

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catatatata ctattacatg catgaatttg aagtgggtgga tcaccttaat tgggtggtgtt 120
ataaatggtg catggttatt cataatatgt aaagaggtag atagcagtta ccgattgtgg 180
ggctctttaac caaaaaagtt gccaggggga tcaaagatgc aagtgaagaa agagcctccg 240
ttatcacaag gaactttggc acatccaaga cgcaccgagt tagcccaaac gacctgtggg 300
tagcgcaggg cctttttattc aacacaagag ttagaacctt tgtcattatc ggattttctt 360
attaaccac att 373

<210> 41257
<211> 434
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910008f02a1

<400> 41257

agaacataag aaaggaatgg agataattag gtgtgcagga taaaaattaa tagatgacac 60
tacaacttat gtaagatgat atgagcacca aatttttgat taagagtgaag cacagtgact 120
ggagcatgtg cataggtagg agaaagctca aatgagaagc gttgtaagag taatgacaaa 180
accaacttcg cttctaataa agcaaaattt tggcctaagc aactctagg accccatcca 240
aatgggaaaa acacaacttg gccttttggt gcctttgcta ctccttcagc aaatctttct 300
gggttgaact ctgtagcatc atcaccccaa atatcacgat cctggtgaat caatagtatt 360
ggtaaggaaa cttgcaactcc cgcaggtagg gaaaggtttc caagtttcac atcattcttg 420
atcgctcgag caaa 434

<210> 41258
 <211> 465
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910008f03d1

<400> 41258

gacaaaccac acatgataaa catattatta ttttcttaaa atgtagtagt tgtatgtatc 60
 attctctttt tctttacacc tcatctgcag ataatagcta tgtctctaata aaacttcctg 120
 cctttaccat ttatcaaaat cttagtataa aaaaattata attaaatttt ttgcaatata 180
 tgaaggagac tatagcatag tacagcatca gcgaggaaca acggtgggaa tgacatcact 240
 gacaagatca cttcctgaaa catatgagga catgtgttgc tcctcccttg tcacatttga 300
 tgttgatgtt gttgcagatg atgggggtgc tatgttacca gaattgagta agctaacatc 360
 tgagaaaaga gtttcagggt caggcaacat tgtaatgata tcttcagtt ctctcaccac 420
 atctagcatt gatggtctct cctctggatt gtcttggcac atctg 465

<210> 41259
 <211> 553
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmro02910008f05d1

<400> 41259

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 aatgtaacat gaatacacta aaataacacc tgaaatgaaa ggcaaacaca acttcaattc 120
 taaccaaata aactcaacaa aagcattaca taaattagtc aaacagactg aaacccatgt 180
 catcatcaga ttcttcagct ggttcttcct tcttttcttc ttccttggct gcagcaggag 240
 caccagactc agcagcagga gcagcaacag cagcgacagc aaatttactt ggatccttca 300
 gatactcctt gaccttgtct gcctcagga aagaataatc tgtctcaacc gcaacagcaa 360
 gaacattctt gtaggcattg acaaacatgt gtggtgcagc agcaagtgtt gggtatgaga 420
 tagctaataa aagtgaagta accattgaga caccagcagc aaacttctca ataaggtcat 480
 cctcagntag atcaagaacc tcanggtga aactgaacc attatcataa acagaaagaa 540

ccacaagccc ata

553

<210> 41260
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910008f08d1

<400> 41260

gacaattcaa cgctatgttg attcttggga ttaatgaaca tatactattc gggatccaat 60
atttcacatc ttatacaaag ggaaattcat tcatataaca tatgaaaaaa ccaaatttaa 120
aaaaaaaaaa agaagaagaa agaaattgac ccaaagaagt ggaattggat gaaaaaaaaa 180
taaaattgtg taatttacgt agttcgacag ggtcgaaggt atggttgttc gaggaagcta 240
aggttggaaa tttttgatca tgt 263

<210> 41261
<211> 444
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910008f09d1

<400> 41261

aggagaaagt aaataaatct ttacaccatg gttagccatt taggtacaaa gttttctagc 60
tgcccaaagt gccaaatcct ccactccaga cataaaattg agaagaaaaa tgtgctccat 120
agcaaaaaa gctcgcgctc aaattattaa aattccaaaa aaaaaaaaaa cattaaccaa 180
acccatttc ttttacacgc aggcaaggga taggaattaa aacaagttcc ctgaccaagc 240
tgatgacttg agtttgaaag cttttcaatc tggatatttaa tcttaatcaa cgggaaagga 300
gagaaaaaaa aaacattaaa atgaaaaaac ctgatgaaaa taaacaaaat caaaagccat 360
agactgctga tactagtaac gcttcccaag aattatgcca aagacaatgg acacaagagc 420
tactcccaag atgaacttga aatt 444

<210> 41262
<211> 512
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmro02910008f11d1

<400> 41262

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ttgggattgc ttatatTTTtg gaaagTTTTg aaggcttatt ggagcgaagg ctttttcttg  180
aacataaactt ataacttgca tgatttggtg gaaaagatac aaaattcaag caaagtacat  240
atTTctttat ttttatgtat ggacagtga actactggaa atcgagggtca tatttcataa  300
gtcattccaa ccttgagaag tctgttgctg tggattgcc a tggaattctg gccttgtcta  360
aagttctttc tgaagaagct ataaacatag ttgacaacaa tcttattcaa gatggaggaa  420
gatgggtgag caactacctc tgcttctgct agcatataga cgacgccctt ctccaatgct  480
ntgtctatga atttgatttc gtcttcagct cc                                512

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<210> 41263
 <211> 322
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910008f12d1

<400> 41263

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aaaaaaccaa aggggggaaat ctctggccgt accaaacgga aaagccgtgg ggcacaccct  120
tctaatacgc gatggacaaa acccctctta cacctcccc tttcgcccct aagagagaat  180
gcccaaacgg ccttcccaaa cggactcccc cctaaatggc aaatgaaaaa cgccctgtgt  240
aggggcatca aacacggcga ctgtggcggg tgccgcacc ctaaccccca aaattgacag  300
ttccataccc cccggccctg ta                                322

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<210> 41264
 <211> 478
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910008g01a1

<400> 41264

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gtccactcat catgatcgag gtcctttttc acattccgtt actaatttac tggattaagg 120
tgaggtcggt gacctaagac ttaagaggga ctacaatagt gctttgttat gtacaaacca 180
aatgcctaataa aaagaataaa attattgtat tggctttttg acaactcctt ccacaattcc 240
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cttgtaaatac cctctacgga tcacaaagtc atctggaggt tgaaattctt ccaaccagga 360
cacatcagaa actgtaactc cattcaactg aagattacct ggaagatctt tactctgcga 420
tttccggaag taagtgcagt gtcttccatg ttctgaggaa taaagcggag accacaca 478

<210> 41265
<211> 396
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmro02910008g01d1
<400> 41265

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tttttatgct aagaatgaaa gaaagaaaaa agaaaaagga aaatatgaag gaaactaaaa 120
cactgtatca accagaaggt ggtggctggc tactggatc cgaccatgtg gacgttgga 180
actccggcac gccgccagcg ggattgcggc tttccggtgg ctggaaatag cccatttggt 240
gacttgaaaa caaggggaaa gaagcagagg ttgtgaataa tgggaatggt gctggagaca 300
cagaagaaga aaatgaagga gatgatgata gcattgaagg tgattgaagt gaagcaaatt 360
gtgcattata gtacaactgc tgaagcaaac tagatg 396

<210> 41266
<211> 412
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmro02910008g02d1
<400> 41266

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gttacaattg ctcaatacat tgtctagaat gaaaaaacag gagaacttaa tcctatttca 120

gtgataatat ctacatttat ggtgaagaca ggaaaagagc aacgcatttt agaccagaga 180
 ataacattaa gttaatcatg ttttagcaac ggccgcttgt taaggaataa tataattttc 240
 ctccacctgt ataagtatta atagccgttg cagtatgcct tttatatcaa aatttcattc 300
 tttttgctgg tccttgatca attatcggat cagcagtagg agcttgcggt tctgctgctt 360
 cttgagtttc agtgcctttc tccgtttctg cagttggagg tggaacataa cc 412

<210> 41267
 <211> 485
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmro02910008g04d1

<400> 41267

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 accttaaata cttaaaatgg aaaatcaaga agaaaaaat ttaaaaacac gggatatata 120
 tggcaatggc acaataacaa aacactctag gaagcagcct tgggtctctc agcagctgtc 180
 tcaaaatcct ggcctggaac aagctctggg acatcgcat catcattctc ctcttgggcg 240
 gtggttgaac cagtggctcc ttcaggagcc tgcttctgga attgctcggc cagcttcttc 300
 aggttttcca agttatctgg tctaattgg tggataatgc tagggagtat atcctgcaac 360
 ttctttgttt gtggagaacc actgacaacc caagtattag cagcaatgga tgctcgaact 420
 ttgggattta gaaactggat aactacggca tccttaaaga tatngacctn ctcatagccg 480
 ggatg 485

<210> 41268
 <211> 319
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910008g05d1

<400> 41268

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ttgcatgggg agctatatgc tctccatcat gttccctctg aaattatcat ggggaatcca 180
 tttgtacttt tgttggaaca ctgtaggcct acgttaaaca agtggcatgc cctgggattt 240
 tccagggcag agtttcttac cagtgtcaaa tggggctcat gtaaaaatag accactggat 300
 cgtgacgtac cttgccttc 319

<210> 41269
 <211> 402
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910008g06d1

<400> 41269

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 atttgattat ttgttcaact ggccacatca gcattttctt ctggcacatc atggctacat 120
 attctctagc tagtataaat aatgtgtgct tattttggag tgggtggcgcg cacatatatg 180
 catgaaatca tattcagttt tgtctgtgtc gttcattcta tgctgggcac attggacatt 240
 ctctgaacca taattttaca caagtagtca aaaccaaagt ccatatacag tgacacgaac 300
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 agacacatat tacgatgaaa caaacgtacg tctaaacgaa aa 402

<210> 41270
 <211> 448
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910008g07d1

<400> 41270

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 ttctcagact tgttttaatc acgcaacaga gttcacaact aaaacactcg agactcagaa 180
 ttgccccaca ccataaatat tgatcggcat ggagactatg atgagttcat gttttacaca 240
 aaccttctgg tacatgttta ctctaagaac tcttcttctg aacgatttct tcaataggat 300
 ctgcagcatc ctgaaccgta gcgatgctct gtgcactgtc ctcttcaatg gcaataccaa 360

atgcttactg aagtgccatc acgatctgaa ccgtgtcaag ggaatcagca ccaagagttg 420
caaattttga ctccccagtc accacatc 448

<210>	41271
<211>	523
<212>	DNA
<213>	Glycine max

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gcaatgtcaa	caataaaaag	caaatcttgt	ttagttgcaa	ggattagatg	tgtgatcact	120
tggtcagcca	aatttgagta	aaatgagaag	ctgctgcagt	tgttgcaaag	tatccccgca	180
ttagcatgca	gtctgccaat	ctcatccagt	ccaaaaagca	ctgattttga	taggccagca	240
ctgccaaacta	acgctacact	catccaaggg	caagctgcag	aaaaaccttg	atgttcttgt	300
tctagagatc	ctctactaat	cccaattttt	gatacatact	cttggatttc	ccccctagaa	360
aactgaatat	atgcagagtg	tttactagca	ggattggaag	cgatgccaat	aaccagctct	420
ttaagggtat	ttcgatttga	aactgctgca	tgccagcctg	agcatgtcag	caatcctgga	480
acaagatcct	cagaacattc	aagttccact	tcctgcaa	ataga		523

cggctcgaga	aaaaatccat	ttggaaaaag	gaaagataat	cttcctgttg	ctgttctag	60
tgcaaattga	gctccaccaa	caatgactta	tcagtagctt	gaaggggatg	tactctgttc	120
tttatgctcc	gacaaatatt	actacataat	aggatgcata	ttgctgctgt	cacatgcata	180
cattgatcat	caagtcatac	ccattagcat	ccttgctcat	gtgaatgaat	gcagtggcat	240
catatacata	catttggtta	tggtatacta	gtcggacatg	catatcttgg	cagcatgtgt	300
tggttcctgg	attactttca	taggcgttta	gatttgatgc	atgggtctaa	attttgttac	360

0953113.032200

aattgtgtgc tttatgtcat atactttctg tttacattgg cattaggaat gttattcana 420
cagatttttg cttctatttt gcaactntag gttcatttgg tgctaatttg acatgaca 478

<210> 41273
<211> 496
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910008g12d1

<400> 41273

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aggcaaatac tgctattcac caatattcct aattttgtac aaatgttttt tcttttaaaa 120
tcaaatacat agaaaataat ggaagtttta acaacggctt aacgataaga ggaacaaatc 180
atgacgaaca atcttgatat gaaagcaatg tgaaaagcta gtttttagatg ccactgagac 240
acatgaactt ctaagacccc aaataacttcg tctctctcta agtcgagcag caaccagcct 300
tctggttcac tggtgtgctt cgaatttgaa ctgttgaggg cctcgattg ttcactggct 360
ggcttgccat tctgttttta atttcagcag ccatggccat gaaagcctgt tcaacattgg 420
tggcattttt agcactagtt tccatgaagg gaattccaat ttcactgca aaagcctttg 480
ctgtctcata ggacac 496

<210> 41274
<211> 478
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910008h01a1

<400> 41274

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aggatataca caataagacg aataggaatc acgaaattta aaagcagttg atgatgaatt 180
aattaagggc aaaacacaag cctataatca gatcctccca tgcaagtga catgctgctt 240
gcgtcatcca tagggtaact aaaggcatct ggacacctct ccttgaagaa cttggaataa 300
tcagtgggac cgcaaccgcg agcaccggtg ctacaacagt actgagtcgt attgaaaacc 360

gtgcacgggt tgttgacgcc gccgggaacc tgaagctgag tgggacactt tccgatgatg 420

tcggcggcgc atttcacgga gctgcagttg taggtcgggc tcacctgtca gggaatgt 478

<210> 41275

<211> 333

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910008h02d1

<400> 41275

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gacctcagaa caatcaaagt catgactaca tgtatcgaac gcgggactaa aacgtcccca 120

atggggggcct atatatccat tagaaaatta ttacgaccta acgccttaaa taatccaacc 180

tagctggatg cttacgcttc atgagagctt gggaatgaaa aaactcgcca atcaccctaa 240

atgtacaccc gcacctgaaa actcctccta ctgagcaggc gcccttgatg agaccagac 300

tgatgtgtgt gtacgatgaa ccccatcgc att 333

<210> 41276

<211> 416

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910008h04d1

<400> 41276

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cactttctca agaggcgact tatacctggc acctatgcag ctaaatcatg ctggctttct 120

gtcgtgtcct ggacttaaat ttgcaacttg cctgtccttt tgctaaacag ggaggctaga 180

tcttttgagc tttagctgaa acgctggctc tgaaaaggac atctactgag catgaaataa 240

cgtctactga agtcaacat ccatggcaaa tgcaccacct gctccattgc taggccacca 300

atttcgtact gatccattct tctgcttcag taccctcaaa tgcgtgacct gaatgcgagc 360

accaatgcaa ccgatatgat gaccagtgac aacagttcca ccatgtacgt tcactt 416

<210> 41277

<211> 450

<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910008h08d1

<400> 41277

aggggcgtga ttgatcattt tacaagacta acaaaaaaaaa tgatgttgca taatatagag 60
gaaaaaatgc gatgccatgc gccaccctt ttatatattat acaactttca accccctaaa 120
actgcagcta ttagcctatt agaatgatta atttttgctt cttttttttt ggtacaagtt 180
cttacttctt taacttaca aaaagagatg aatgcatttt tcggtaaaga gttggcctga 240
caaaccaatt gtagcagctg ccgaaaattc ttccgagtc acaggaagct tgcaacaata 300
tatatacata ttcaaatttt taaaccaaca tctgaggtac cctaaggaag ccgagggaca 360
aagaatataa aacaactgag attgttggtg ctgtaattaa attgtgtaca agacgtttgt 420
cgtctttgct gggtagaaat gccattttca 450

<210> 41278
<211> 479
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910008h09d1

<400> 41278

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ggggaaaaat caacagggat tggcacgatc taaataagga aacaaactat gaaatccaca 120
atctatgaaa ctacaatcta gcagtagcag ttgtcccaaa caggatgtcc tacgtaacaa 180
gaacaagaac taggtctcta atgtggcttc tgcatttga tttcccgta aaaacatcag 240
cagtagaaat cagtagcgat caagtgatga acgagaaccc ctgcttgggc ggtcatatgg 300
accaggtcta cccctataac tccttccttc atctcgacct cccattccac ttccatacct 360
atcagcacct cctcgtaggac cactgtaccg gtcataccct tttttcttgc cataaccatt 420
ttgtgggtag tctgagccag cgccatatcg atcacttgca aatcgatctc cactggttg 479

<210> 41279
<211> 509
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910008h10d1

<400> 41279

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gaggaaatca caggctgtat gttatacttt atatcatagc agttaaatag agagtcaggt  120
aatgagaggt atctgaaaca aataactaata agcaatctca tagaacatca ttacgcaacc  180
gaaaaaggca aaaagtgaag tccagaaata taaaagaaaa aaaaaaaaac aggggttaatt  240
gaaaaactga aaattaaaaa tcaaattccac cagcatcatc aaagccagca tcatagcccg  300
catcatattc agcagcatca gataccatgt ctccgatcaa cattccaccc aaggcaccac  360
caagcaatcc tgctcccaat cccattccaa atttgttctt ctttggtttc tgagcctgag  420
gtgggtaccc atatccggat tggtgtggat atccataacc cgactgttgt ggggtatccat  480
aaccggtctg aggtgggtac ccatatgct                                     509

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<210> 41280

<211> 526

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmro02910008h11a1

<400> 41280

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cggttcaatc ttcggaaatg cctctcagac tcgaaatcaa gcgaaagctt gcgcaaagat  120
cagagagagt aaaggctggg gatctacatg caacagaacc atggattcta gcaagtttgt  180
actctggaac tgtctgtatc tggaactacc aatctcagac catggccaag tcttttgagg  240
ttactgagtt accagttagg tcagccaagt ttattgcacg caaacagtgg gttgttgacg  300
gggcagatga tatgtttatt cgtgtatata attacaacac aatggataaa gttaaagtat  360
ttgaggcaca tacagattac attaggtgtg tggcagttca tctaccctt acatatgtgt  420
tgtcatcatc tgatgacatg ctcataaagc tttgngattg ggaaaagggc tggatctgta  480
cccagatatt tgaggggacat tctcattatg tcatgcaagt gacatt                                     526

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<210> 41281

<211> 439
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910008h11d1

<400> 41281

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 agccaaattg ccgtacaaaa ttatggaaaa ataggggatg agttctgaga gtgggtcact 180
 gattcactac tgaaaatggg cgtgattttt ataaattcct ctttatttcc caaatataca 240
 gcctatttgg tggaaagttt ttgataccct taaaaaacia aacttgaatt gcttgggact 300
 cggggtagca attatatgaa aacgggagtt agatatggca cttgaaaaac aaccaaccac 360
 ccgggacaaa acttcaattt tcacacgggc ccaaccaaatt actttttagg tgacgggggt 420
 ccttcattac ttataccct 439

<210> 41282
 <211> 413
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910008h12d1

<400> 41282

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 aaaaaacaat ggctaaaaca tagggaaaac aaagagtcct aacttaggac atgtagaaca 120
 actattttta ccatgaagga ttgggtttgc aaaaatcaag agttcctctt agatgatccc 180
 aatcttggtta gctacatcca aggcatacata gtctggagtc aacctaacat aggctttttt 240
 tgttccatca ggcctgatta aaggattcac ttttttcgcc tgaatggcat acattttttt 300
 cacaggattt ttaatctttt ttttggcagc acgggggtca acaataaaaa ccaggggggt 360
 ggtatectca atttttttta ttgccgactc agttgttaga ggaaatttaa gtt 413

<210> 41283
 <211> 471
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910009a10d1

<400> 41283

gaaaaaaaa ttataccatg catttaaac attagtttgt accgcttgga caatagatat 60
 tggtaagcat attaagatga aatgccaaaa cggaagcaat aaactgaata tgaaattctg 120
 ctctctcgcat ggaaaacaca agaccagtct tctcgggaata tgaacttgtc tcttcagtat 180
 tacgtccaga tggatttctt cccaacagga gctgagcact atgtcctctc ttaacacaaa 240
 tcccaatctc caagaactag ggaatagggt gcttatatca gcactgttct tctaattgtc 300
 ctctcaactg aatattaagt aagaagctat ttttttcagc taaataaatg ttgagttgct 360
 gtcgtcagat ccacatattg gtctttcaaa ctccaagaca tgctaaataa gagtgtgttt 420
 gtaaagtttg ctgcagtttt ttatataatc caactttcaa tctctgaagc t 471

<210> 41284

<211> 59

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmro02910009a11d1

<400> 41284

ncgggctcgt tcccagtgca acatanatga ttgacgcagc gcacgccgctc ctgaagcgt 59

<210> 41285

<211> 428

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910009b10d1

<400> 41285

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 cgaaatttcc gcccccccca cgggacaaaa caaaaaggtt cccccgattt cccaagggga 120
 aaagcccccc gatgcctaaa aaaccgctta ttccgggggg cccttcccaa aaccagggcc 180
 caaccctgt ttttgagggg gggggggggg atgccaaactg ggggaaaccc cccacccggg 240
 gccgtccct aggaggggcc cccccaaaa aaccctgggg cccccccggc cggggctttg 300
 ggggaaaaga aggcggcccc caaaccccca ccgggggaaa gccccctccc cgggggggga 360

aagggggcca aggggcccac aaacccaaaa atatcggggg gggggggggcc ccacaaagga 420
 cccggggg 428

<210> 41286
 <211> 469
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910009b11d1

<400> 41286

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 gaccatgctt gcaaccccaa caattttaat aagagcctaa aactcaagtc aacataagat 120
 cattccctcc aagatgaggg cgaaggcaaa cacgaacttc atgctcttct gatcccacac 180
 gaagtttttg caccatgatc tcaagcactg atcctggccc atcatagtat gcttctatat 240
 tggcatcttc aggaattcga gttgaaagag ggatttcacg aacaaactca ccaggtgggc 300
 agtggttcgga tgacggatct gtaagtttga atgtcctgtc atgtctcttg atatatggct 360
 tcccagatgg gctcacacaa gaaaccttaa tgataccatg aataagagta ttcctccaag 420
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<210> 41287
 <211> 572
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmro02910009c10d1

<400> 41287

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 tctctaacia tatactttcc caaatcgcac aacaagtcac gcattccaat ttcctcatcc 180
 atggttataa gtgatttatc aacgagaact tgtaggtcat attcgggatt aaatccacga 240
 aaatctagaa cttccttcac atattccaca tcatcatcgt tgaagaaaca tgcaatatct 300
 agaaatattt ccttgtgtgt atcctctaata tgatcaaaac ttattcgcaa cacattcata 360

atactttttac ttttattttc tottaacgaa accaatgcac tctccaatg agagaaatct 420
 ttatcaaaca aatatgagcc tattacttca attgctaagg gatgaccttg acaatgtgat 480
 agtacatcag aagtcaactt ttcaaaatca ctcataatat aattattntt gaatgctttt 540
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<210> 41288
 <211> 535
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmro02910009c12d1

<400> 41288
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 gttacactgc aggcaaattt ttcattcaca tttagcttag ttatcttcat tggcgcccaa 180
 attattcttt gtcacatctt tgtattagcc ctggatggca acaccaaggg gagcagcatc 240
 catagggtatt atctttctcaa tttctacacc cttgttgttc tggttttcat aggctgaaat 300
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 tgagttctga gggaagaacc tctcaaagat cattctgtag taatatgctt ccttggttnt 480
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<210> 41289
 <211> 489
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910009d10d1

<400> 41289
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 cttccaatgt acaacttaac ccacttttca gcgcagagtt cccacaggtc tcttatatgt 180
 atacaacata gacaccacaa ggaatgctat caagttcact acacttagca atgccaatag 240

ccagaagaaa taatctatgt gaccaaagtt tagattatca ggtatccacc ctggacttcc 300
 attcctagtgt ctgatctttg tcacaattgt cacaagcaga gagctcaagt actgtccaag 360
 cgcaacagtgt gtaagtgaga gagcagaaca aaagcttcgc atagcatcag gggcttgctc 420
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 ttgaggaac 489

<210> 41290
 <211> 525
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmro02910009d11d1

<400> 41290

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 tagtagtgag aataacttat tcctctaagt aacatgcatt catgtcggcc agaatccgta 180
 aagccttggg aggattcatc gtattgaatt ttcaactaaa gcttgactac cacgttctct 240
 gcatggaggc ttcattggat tatatatatg gcggatataa ttatatattc ttatcaattg 300
 agaccctgc taacaacaaa ttctcaactc atggctcatg gaatggtaaa acttgcccag 360
 tagaaaaggg tagcagcccc cccatctttc agcaaaagaa acgaactagg cgcaccctaa 420
 aacttgaagg ctctcttctt tgacttgccc tccttttctt gcataattct tttcctcttc 480
 ttctcgnctc ctgcaaccat gtcactgaaa tcttcacgct gacta 525

<210> 41291
 <211> 499
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910009d12d1

<400> 41291

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 ccaggggcat caacagtttc tttaatcgat tccgtcacag ataaagtga acaagagaaa 120

aaactctata gacagacaag ttgtaagagc taggaagttt gaggttcaca tggagcttcg 180
 gttgcatagg gtgtaaccag agatgagtga gctgatagca aaggcaacga aagcgaggaa 240
 ggccattcca atagaagcag tggccatttc tgtgaactca tctttccccc aattcgatat 300
 ccaatcgtca acccgtgttg ctgcagatga tgatgccgat atcagaagat atgccagaac 360
 ctgatccatg aagaaatcaa agtggttgcg aagggtggtga ctgattaagc gtttccccgt 420
 ggcaatttga catgtcagat cacatgcttg taatgcagag tatgcaaac caataacatt 480
 cacagataaa caataccta 499

<210> 41292
 <211> 479
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910009e10d1
 <400> 41292

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 tatcattctt tcaaagattc cagtaattaa ctggacctga tagtatatct cattattgcg 120
 tatattatac cacgaagccc ctgacaaacg agatgaaaca aacggtaatt tgaggggaaa 180
 aattatgcta attcaattca accttgacaa agaaaaatta aatactgtga ttctattaaa 240
 aaaaaaaaaat caaactctac aacagatggc ataaaaaac caactgaatg ttgaacttga 300
 catatctagc caggagcaag ctgcattcat atcaaactaa tggacattga tccattgaca 360
 aaacctgtct tttaaccaga cgcattcttc cttgcagcat ataccctata agctgccagc 420
 ccaactacga ccaactgcgc tccaactgaa acagccataa gagatcgatt aataagcct 479

<210> 41293
 <211> 478
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910009f10d1
 <400> 41293

aaactaaggt aagggttaat aaaattttta aaacagggca taaatggtag agatgttaaa 60
 acttaaaagc ttgctagag tacatttggt gaaaagcctg agaactgaga agagggattt 120

tttataaaaa aaaaaaaaaa ttcccttgaa acaatgaaat ttgacggcat ctaaaaagag 180
 aagaaatttg tcagataaat aacacttttt tccacttcct tgggatattt atatcaattg 240
 gggacaaaat taaaaaatag cattttcgtg gggggggaaa ataataata attaactcac 300
 caaaaaaaaa aatgaatatt tcaacctgac cgataatgca aaaggagaaa ccccccgcc 360
 cccccacac aaaaacaaaa actcttgctc ttaaattctg attttttaa tattttgcat 420
 gccataagcc tccgcgcta ctaaattctc cccctttttc attctttttt cttttaac 478

<210> 41294
 <211> 505
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910009f11d1

<400> 41294

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 agcttgacat ttcagtacaa tagtttattt tcaagcaatg agattctaaa accagaacca 120
 caaacgaaac accgttgaga ttctcaacga gttcactcct gatcaagcag agatattcaga 180
 gactaaaagt tggcaaagt cttttctttc aaagtttcca ctgtctctct aagactcact 240
 tccaaaggaa taaattcaat ccccaaggtc tttgcctttt ctttggaac ctgaaatgtt 300
 gggacataag gcttatcgtc tgcagacttt tctggaattt gatatgtcgg gtactgatca 360
 cgtaaaatcc tggcgagttc agagtagtgt gccactctct caactaaaca atatcttcca 420
 ctagctgaag cgatctcata tgctgaata tgggcgtttg caacatcttt cacattgatc 480
 catccatag tatcatttga aaaag 505

<210> 41295
 <211> 579
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910009f12d1

<400> 41295

gactcgataa gctagcttca actagattag atggcaacag aaagttgtcc aatacaattc 60
 ccaaagtggc tgcacaacca gaaataaaac gagaaataaa ggatccaaaa aaatcaata 120

catgccaaat ttctaacaac cagaccttca cagagtctta ggcagtattt gccaatgaca 180
 attaatatga ctaccaagta aacacctatt tttccctaataaacctatagg cttcaacaaa 240
 aagaaaactt agtaacaaaa caccatccgc agccaccaac aattcatctt cacaacaca 300
 gaacgcacca actcaagcac gctcaccacg aatccttctt gccagctgaa tatecttggg 360
 cataatagtc acacgcttgg cgaatggcac acaagttagt gtctctaaag agcccaacaa 420
 ggtatgcctc agcagcctct tgcaatgcaa gcacagcatg gctctggaaa cgcagatcag 480
 tcttgaaatc ctgggcaatt tcacgaacca acctctggaa aggaagcttc ctgattagga 540
 gctcagtgtt cttctggatt tctaattctca cgaagagca 579

<210> 41296
 <211> 532
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910009g12d1

<400> 41296

attcttgaaa ttttgggtctt tattcaaact caattgcatt aatgcaatct acgtagctat 60
 ccaatgtaac tgacctcatt gggataaagc ttttagttac ttgtataata ggcaaaatcg 120
 gaatgattgt catgaaaata aattgccgat gttgtatgca acttttgagt tgaccaattc 180
 atactcatca accaactcaa gaatcattaa ctgattaatt tcacaagtaa actcaaacac 240
 tagacagtaa cagatcaaata atatattgaa agatcccaaa aaacaatatg aattgccacc 300
 gtcaaaacaa ggacctcata ttatgcctaa gcttgtgctt caagctccaa gagtagagtg 360
 tgagtaatta cttcagatcc tgggccagag aattgaattg gacctggact gatgtagcaa 420
 ttcttcaggg cccattcatt acgcaaggag gcaaactttt tgaagggtgc cccttcaagc 480
 tccaccattg ctttcttgat cacgggcttg aattaccatg cctcctttca ca 532

<210> 41297
 <211> 354
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910009h09d1

<400> 41297

0953113-032200

accatgcaac aaattatcca tgtcaacatt tottaatgaa caaaacacgg ccatccaaac 60
actcaaatgc taagagtga tctgcaagtg aaacaaatta tacaagtagt atacactagc 120
atctatgggt gatgatgca aacattgaat ttaaccatgt ggcagtgcaa aactaaattg 180
tcaaatagtt attacaagtt cacaaaattc ttgatctat gttgcttctt cacttagaat 240
cccaaattcc caatcgaagg atatttaacc tttttcttat tcatgacatg gaatgctctc 300
aaccaaaacc agaagggcaa aaaaaatcaa aagttctaga taagcttttt agct 354

<210> 41298
<211> 539
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910009h11d1

<400> 41298

agttaaataa atctcaagat ttcgacatta tcaaacggag acttccgttc caactagtag 60
agtatagtgg gtacaaaatt gactgcttta ttaagctttt ctcgtaaact gtgatgctca 120
agcacacagt aataactgct ggaaattgac aaagatgaat aaggggataa ccttcccaaa 180
agaaggcaag caaaaaataa aagggcaaat ttggtagtgc ccattagtag aaatcctgtt 240
tcagggttttg gtcaaaaatt atttttaaga gcctcaacaa ggaaaccctt cctctcaagg 300
ggccatgagc ccatcaattg ttaggaaag agacttagcc caatcagctc taagcagtaa 360
tgtctgcaga gtattcatca catcatacc aggatcaagc ttgcgctgcc aaccctcaag 420
aaccaagggt gtcaccaaga cagtacaaac attgccatca acgttaactt tatgacgcct 480
aactttctca agcaattgct ccatgcactc ggcaggatgg accaggtcac cttttggag 539

<210> 41299
<211> 466
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910009h12d1

<400> 41299

caaaaaagat tatgttcttt ttattggcat aaaaaaatc cttttggttt ataataaaac 60
aggaaaaaaa tggaaccatc accttaatt tcacagtaaa gagaacgtta aaactaaaac 120

tccccaatta tgtttacata ttaaaaaagg ccttttttctt ttttaaaaaa aggcccccca 180
 tttgccaacc attctatata ccccttagg cttactctct tgcgccacat gacctgcccc 240
 cttcacaagg gcgaaagtta ggggaaactc actttttttg gattcctcgg catatcaata 300
 aaaaagaaat cgcagtgttg tgtttgtaaa attatgaagg tattgaacca cccttggaac 360
 gtcccatggt tatgcagccc tgccattgca tcgatggaag ggatcttttg ttcctctctt 420
 aacttgaaga gccttctgaa catgtggatc atttgeccat aattct 466

<210> 41300
 <211> 489
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910010a02d1

<400> 41300
 gccttcgaaa ctgctcataa ttatctgttg catataaaaa agtattacag tctaaattaa 60
 aaattttaac caaccaaata tctaggaagt ccaacatcaa gaagggctac attattgata 120
 tttaaatagc atcctgatat tagcctttgt cagccttgct accctcaatt catgatgact 180
 tggtagattc cctaacaaaa gggttggttg ggtgcgtcag gttgagattt ttgaatcttt 240
 tggaggtgtg ttagcatact tccatgaaaa gtgatccaat ccattgtagt atctaccacc 300
 tgctacatca ccaatgggaa cgcctcaga aatttctctc aggtcttttt ctgacagttt 360
 cactgctaag gcacctatgt tttgatccag gttcttaatc ttagttgttc cagggatagg 420
 tacaacatcc tcgccttgct gaagtacca tgctaatagcc aactgggcag gagtggcctg 480
 atgcttctt 489

<210> 41301
 <211> 347
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910010a03d1

<400> 41301
 ggcttgggta ttagacttta aattttgaaa tttgaaatca agttcacatc cccacaaaac 60
 aactgggta cacaataat ggcccatgc attccattta tttaatatag tatataggaa 120

ttgacttttg catgaagcac aattgaaaaa attatattatc caacctaggc ccgagcaaga 180
 gggtcgcgat tgggattcta ttgtgttccc acctaactat tgctgaacca aaattgcttt 240
 tgaagggagt ccataccttt ttgcccact tgaaaagctt tggcaaaaac ttcacaaag 300
 attggaggtt tagatccaaa cacaatattt gcatgggtaa taactcc 347

<210> 41302
 <211> 394
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910010a10a1

<400> 41302

cctcggggaa ttccaattcc acattttcaa tttataagta ggcaaaaatg ttcatatatg 60
 aattggaatt atgttgtttt cttattaggc ctatcctgaa gccaaaggaa atgagatcgg 120
 aattcctcgg ggaattccaa ttccacattt tcaagaaata aggaggcaaa aatgttcata 180
 tatgaattgg aattatttgt tttcttatta ggcctatcct gaagccaaag gaaatgagat 240
 cggaattcct cggggaattc caattccaca ttttcaagaa ataaggaggc aaaaatgttc 300
 atatatgaat tggaattatt tgttttctta ttaggcctat cctgaagcca aaggaaatga 360
 gatcggaatt cctcgggggt accgagctcg aatt 394

<210> 41303
 <211> 508
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910010b02d1

<400> 41303

caacatagca agggagactt ttttattgtg caattgtgta ttacaataaa tcttctcact 60
 caattctaca tcttattacc acccgaggat gatttccatt caaacctaata aatcactccc 120
 caacccttcc cacatcactt ggaaaaacaa ccaaatcata tgatatctca tatatcaaga 180
 caccatagac ataacataga ataaataatg agaccaagag taaattatac tgaaaagtag 240
 acataaatgc acctagatgg tcattattaa cgagatcctt agttattaac tcgtgcacaa 300
 tgtttctcta tctcccttcc agttccaagc ttgacattaa ttogtcccat tttctcgata 360

gacttggcaa attcctcaaa gaatccttga gttgattgaa gttgtctatc gataatagac 420
 cttgtgatag gactagtaag aaattcagca tctgactgaa acaagcccct tctcttaaca 480
 acttgtttat aaaatccaag atcaaatg 508

<210> 41304
 <211> 398
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910010b03d1

<400> 41304

atcaagggcg cagtaagacc aactcaaaac atgaccgttc atgaaaacag cgtaggtgcc 60
 acacaaaata cagtaagtga aaaccataa atacataagc cattacactg gtgttacatt 120
 taataccgat aaatatccaa tggtaaaatg gcctagtctg taaacagact ttggtatcta 180
 tcagcacggt taatcatcag ctgcaccgtt ctgggttacg attactcatg ccaccaagca 240
 cttaacattg ttcccaaaaa attctacgat ggcatatagg tagagggtatc gatctgctca 300
 ggaagttgct ttatatccac ctcaaaccctt gactgaacat tgttgagaac atcaacatca 360
 gtagaacagg aaacaaatgt gattgcaagg cctttgggt 398

<210> 41305
 <211> 492
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910010c02d1

<400> 41305

cagattatga agatgaataa tctaatttaa cttatgtttt aaaatcaaac attcaaatta 60
 gaaattttca ctttttacga accaaagtac ggatgcttta actttattac tcgggagcca 120
 agtgccgttc attagtcacg gaagaaaaat ctgcttgccc gaaccgaatt gaagatctgc 180
 tgaatatttc tcccaaattg ctccaagtga tccttcctct acatttctcc caattctttc 240
 tggcagtact caacatttaa aatctttctc ctcgagtgat gcataatttc aacataagac 300
 taagagatct taaccatatg atgttcctac acacgctggg ccagtctctc ttacacacaa 360
 agcttaaaat gtacagcgtg ctaactaatt ctattgtcag atctctcatc taaccagtaa 420

atgtgatttt cccataatcc actttagaag agtcgaagag agcatagtga gtgaaacggt 480
ggcagagagc gc 492

<210> 41306
<211> 420
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910010c03d1

<400> 41306

aggaagaaaa cacctcaaataaataatgtttg gaatatcaaa agagatgtcc taaaaagaac 60
aataataatt tcaagcagca agctaagtta tcaaacaatt tcacatggat cccacatggt 120
tttgaaaacc aaaaacaaaa aacaaaaaac aaaaaaatta cccagttggg aacatagaga 180
gccaaaactt tgattacagt aaatctcatc tcacgttgac gtgcaccatg tcagctataa 240
ctcttatttc caatcaaaaa ctacttccat ggctataaaa tgtagaattt ttatggaaga 300
atacaacttc catctgctac tctcacaggg atgccagggt gttggtataa gatgttgaca 360
ttgcagctag aacttcggta accgacgcca tgacgcttag agcagctttc aaaacctcct 420

<210> 41307
<211> 502
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910010d02a1

<400> 41307

gaaaactttt ttgatccagc cacaagaaa ttgtttcagc aagaatagtg gttctgctac 60
ctgcaagggt gggttgtgac agttctgtta tgagcccatc aagcagatta ttaacacttg 120
tatgaatgat cagaaggata agctgtggcc tatgctgcaa aagcttgctg tcactatgta 180
atctgacgat acggacctca tgggtgaagc cttgatgaag cgtgttatgc aaacctggct 240
ttcagcaagt cgtgctctat tggaaatgat gatatttgat gtaccctctt catcaacagc 300
ccataagtat tgtgtggaga acttgtatga ggggactctt gatgatcaat atgcttctgc 360
tatcacaat tgtgattctg atggatgttt gatgctctat gtgtccaaga tgattccagt 420
atgtgatgag gggagattct ttgtcttatg ccgggtattc tctggcaggg taacaactgg 480

tetgaaggtg aggattatgg ga

502

<210> 41308
<211> 387
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910010d02d1

<400> 41308

ggaaccaaca cccgatgcaga atcctatttag agtaaaaaata catcgatgca aggaccaaatt 60
aacagattta caacattcac gggcaaaacc tcagacaaaaa cttacagaaa ttaaattctaa 120
agtagcattg ttcacaagag aaaataaatt cgactaagtt caaagtaaaa taattcatga 180
aacaatatct aaagcttggc ttcaaaactcg gagagaggag tcatctgttc cttcaagccc 240
ttcctcttgc gaatgtaagt gacaagctgt gcagcttggg atccagcctt caatgggtca 300
aaagacatca tgttccaatg atcaaacaca cattgttggg aggccctggc tgatgttgca 360
accccaaattg tgctcgagaa accaaag 387

<210> 41309
<211> 482
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmro02910010d03d1

<400> 41309

cacataatta ttagcatttg gcataggggt taattgtagt gactctccat aattaaaatc 60
gttaatcaca tcattgtaaa aaataaaata caaatgttcg gacgataaat aggacaaaaa 120
tggaacaaaag aattagaact cctaactatg gaagatttta agacatatcc tataaatcaa 180
gagcacaatt aaagtaccta aaatttaaca ggcagatttg tcaagaaagc caaggtgtaa 240
ggagaggtgg atttgccaaa caaagaacac caacgaggaa gcttctcaag gactcgttcg 300
gttattggtg ttaattctgtc cacatcagtc cttagtttca gaagaggact atcagagtta 360
tgagttgaac ctgacctcca gtaaagagtc agatcaaaca atgttgggtg atttntttcc 420
tccagaaaac tgaataatgt gccaaccatc cacactatct ctttttgtca actgaaatca 480
at 482

<210> 41310
 <211> 507
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910010e02d1

<400> 41310

gcaaagtagc aaagacatgc tatcttaatt cttataactg ataattaaag cggggcgcat 60
 caatacaata caatacaata tgtaactatg aactatcaat atatgatcgt tatttatgtc 120
 tgtgatacac acaattcagg ccatgatatt cttacgagat ttacagcaac ttctaactta 180
 ttttaatacat cataccaacc caacaggagc aattttcatc atacaatgac acttatcttt 240
 aaactctgaa gcatgacaag gtggtagtca ccagggacca tattcttatg caatttatgc 300
 cacaactgga taagacgcac aagttgcaac accacacatg ttcttcccca attccatttt 360
 gaagtagcca ttctcacccc aactttctcc ccatgaattt tttatgagcc aatatgggac 420
 gccattctca actccatacc ccacagcaag gacggcatgg ttcacatcct gggaagtgct 480
 accgcaaagt tcactagtgt aaactcc 507

<210> 41311
 <211> 472
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910010f02d1

<400> 41311

cataagcatt gtcactgcca tcataacagc actcacagc atacataaca taattaacac 60
 catgaacatg cctttctacc caactctaag ctacttgcac agtactacat atataatatc 120
 cttattgaaa ttaaaaaaaaa aacaacagta acatcggaag attaaaaaac atagcctctt 180
 aatcctccca tccccatgaa cctgcagtgg tctcggttca ttgaaccagc ccatttaaag 240
 gaaaagacct taattatttt ttgcataata tattacagat tttcttcctc gatcatagac 300
 aaggggagga aaattcaagg gtcctgatca tgggtgcttg tggcaacatt gcaactgctt 360
 ctgacctcac cctttgtgcc agtgagaggg ttgttctctg agagcaagggt aatggctcta 420
 gagaactcct tgaagaaata gtcttggtc ttggccattt tcttcacata ag 472

<210> 41312
 <211> 533
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910010g02d1

<400> 41312

ggttggtcac aatattattc attttgcccc actttcactc tatggtacaa caataggagc 60
 caaattgagc caaatctaatt gctctgccga tggatgggtt tttatttgaa atttttgggt 120
 gttcacaata attactcatt ttacccact ttcactctgt gctacaacaa tagcaaccga 180
 actgtgataa gaggttttgg atcctttctt caagcttcaa cggcattctg atccactctt 240
 tctttctttt ctgctaacat ggcagcatgg tgctgtaagt attccttgct gttaatctct 300
 gtcagtctac taatgggtcg gtcttttgca aaccccaatt cattgtccac gcaaaggtta 360
 gaatcatcat ttttctcga tcttgaagag gttcgggggtg ccatatTTTT agcctcagat 420
 attgttaata ttttttcaaa gagatcttga gggctccctt cagcagtaca taatagtctg 480
 gctttgttct catacatcac atcaactaaa gtgacaaacc tatgtgcagc tga 533

<210> 41313
 <211> 536
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910010h02d1

<400> 41313

caagcatgtt taaatttata ttataggagc aaccataaca ttagatagtc gtcttacgaa 60
 tggatatgtc aattatgtac acatcggaag ggagatttgt tcaacattct gatagtcagt 120
 actcaaggac ataatttaca tgacatgtac accaactgtg tgatgtgaca atcaacgatt 180
 atacgcagaa aaataacaga aaagtattgg tgatttggat caatgaaaag caacaatgga 240
 caatatgccc gtgttatacc cgaacatgca gctaaaatct tagtcaatgg ctggagctac 300
 caagatcaaa gtccatggta taatcact caattgttgg aattacagaa gccataaatt 360
 ttaggaataa aaataggtag ttgtcaactt caggctcaac tccgtgtgac atcaacacat 420
 caatgatttt cttcatcact gtcctatgtc gacatggatg aatagatgca tgcttcctg 480

gcaagtgagg atggctcctca attgttaccg ttttgtgtgc atgatcttga ctaaca 536

<210> 41314
<211> 438
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910011a02d1

<400> 41314

aaccatgtgg cagtgcacaaa ctaaattgtc aaatagttat tacaagttca caaaattctt 60
tgatctatgt tgcttcttca cttagaatcc caaattccca atcgaaggat atttaacctt 120
tttcttattc atgacatgga atgctctcaa ccaaaaccag aaggcaaaaa aaaatcaaaa 180
gttctagata agctcttttag ctgcagcaac aacagcttcc ttagtgatac caaattcttt 240
gtatattctt ccagctggag cactagctcc aaaacgatca atgcctattg cttttccctt 300
tgctccaaca attttctccc acccaaagtgt tgatcctgcc tcaatgctaa ctctggctga 360
aacagcagca gggaaaacac ttttcttgta ggcttctgag tgctcatcaa aaagttccca 420
agaaacaagg gaaacaac 438

<210> 41315
<211> 429
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910011a03d1

<400> 41315

ataattaagt gcaaaatttc atcgctaata cactatttat gaacaacttt tgacaataat 60
ccattgtata cacaagacac cttgcgacaa agcaagcccc aaagatttat taattgacaa 120
gaatttgttt ttcagaacct accctcatca cagaaaacaa ataatgtgca ggcaaggaac 180
ggaatatttg aatatgacac aatgatctaa ctatcagcgg ctctaaaaat agtgagcaga 240
gacaggaaga ggttgatgat gtccaaatac aaggagatcg aagcccagat gtattcatcg 300
tacgagtatc tcttgatcag gttgtctgtg tcatagatga ttagccaca aaatataatg 360
gctgccaagc aaccatagat catcacggac aatttaccba gtggaaacaa acctgaatca 420
gagcaaaga 429

<210> 41316
 <211> 368
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910011a04d1

<400> 41316

aaaactgtcg aaaaattaga aacagagaga cctaaaacgt ggtcgtgttg acgaggttgt 60
 tgttattcct ggcagcacca actcggtagc gattccgagt caatccggcc gagtcgtaaa 120
 actcgtcaat ctcatcacgc tccccatctc ccacagtcct catcatatgc aacaccttcc 180
 tcgcccctctc cctcgcccctc tccgttcccg tttgttcgat ctctttcaaa acctccacca 240
 ctctcgcggt ctttggtcaa accttggaac ctccaggttt tatgactaac cgcgtacaaa 300
 gccgccacgc atttttcccg attcgctccc gagtccaact cgttccctcg taataacccc 360
 accagaat 368

<210> 41317
 <211> 429
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910011a05d1

<400> 41317

ggaactaaac cccactttaaa tttatttcaa tgaatttaaa gcaacagaac gtacagaagc 60
 atcttacttt gtttttggtg caacacacca tgcataatga ttacaacaac aacctacatt 120
 tacgatctcc acccagggag gggagaaaca acctactatc ccagtaataa tgatacaata 180
 gaagaggatt agaaggaaga tacttcttgg ttcttgcaa agctagcatt catggaaaca 240
 tagcagaagc aaaagtcaac taaatgggga aaacacaaca aaaataagac acgacttagt 300
 gtttttagtgt tatttttttaa taaaaataaa attgtatctc gataataata caataagagc 360
 cgataataaa tattaatatt aattatcgag ataaaaaaat taatttttat aaaataaaat 420
 aacataaaa 429

<210> 41318
 <211> 366

<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910011a06d1

<400> 41318

gacaatatca attagctgca cataaaatca ataaggataa tatatggcat aacactattc 60
ccctgagaac agtcaatccc cttaaaatgt ccttatcaat agttcaaaag tgtaaccaa 120
ttgtatggtt gcattcaaag ttcaaattaa acacaccata caaacaacc aagacctaca 180
tcagtgtgcg ttgccatcac ctttgtcttc agtagactct aatgccggtt tctttggtgt 240
gcttccttct gccggagtgg catttgatgc tcgcttaact cctcttccca ccacaccaag 300
gtgtgtgact ccaccagatc cattggtgtg ggcagttgaa atggttgggg agtcaaaacc 360
ttcact 366

<210> 41319
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910011a07d1

<400> 41319

gaggtgagtt ttttttttat tttttttttt cttttttttt tctttttttt taacaaaaag 60
ggggaaaatc acccctcggg gcttttgaca gataaaaact tgagaaaaag tgccttgtct 120
cttggggctc ttttaaaggc ccttgggaaa ctgagcccc ttctggacaa gacgttaaaa 180
cacaccctt gtattcaaag ggcaccccc cttattaaaa tgggggggca tccaacacaa 240
ccgcggcccc c 251

<210> 41320
<211> 485
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmro02910011a08d1

<400> 41320

aattaatact cgcgagattt ttcattgatt gcttgatctt ttaaatacaa atacacttaa 60

aatcaatgga taatagnnat ccatcggtca-acttctcatt catttaagag aaataaaaca 120
 aaaactataa tttataatat aaaaatctaa tcccattcaa tatagtcttt taaccgcttt 180
 agtttaaaga catgtttaga tctacttggg ccatcctaaa agtaacagtt tgtcccttaa 240
 ctgctattgt actatagtac ttagtacgaa aaggaccaag atcttaattg gtcttccaac 300
 aattggctct gatttcgcca cttagagccag taagtgggct aatgtttccc attttaacca 360
 ttgcattggc aaagtcagtg ttgaagcttg aagggtcgct ggcataacca tttacttgag 420
 agtctgtgga tcctccattg aaaagcactt gatctgtgtg caagagaccc tttggctctg 480
 caaat 485

<210> 41321
 <211> 402
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910011a09d1
 <400> 41321

aataaacaaa ctaagattac ttgatttact tcattgctcg tacttattag aactttctcc 60
 ttatacacia agaaacccaaa aatatgaaac tgaattaatt aatgataaca ggatagaaac 120
 cattcttgcct aaggaaatct tagttgccta gacacattgc taatattgac tatttgaaag 180
 ttactttggg gtttgagggc gatggggaga gtaatgcaga tgcagatttg tgctgctggg 240
 gcttatcatt gacattgggt cttcaatgga atgatttctt tcttgttgat catttgcaga 300
 agatgcatca agaagcatgt caactttcac acattcctct ctctcctggc taatttcctt 360
 catcattgct accacatctt tcatgggttg tctgtcatct gg 402

<210> 41322
 <211> 521
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmro02910011a11d1
 <400> 41322

aaaaattaaa tccttactct catttttacc ataaaaattt tcggatgata tgacaattta 60
 atcacgatat cagctgaact aggatacgaa cagaaatcca agcatcaacg ctgtccaact 120

gataaacata atggacaata ttagactatt actgctacaa gttgatagtt ctaccatcca 180
 agaaggaaaa agatgaaaat tacgattctg tgatggtaga aaaaacttct cattcttcat 240
 cagagcctga actttctgca gctttgccat gtttattcac ggccgcatg acagcttggt 300
 tcctattttt tgtgttctgg ccattctctt catcttcact gtactcactc tcatagtcac 360
 catcatactc ttcattctcg ttgtcctcat cctcctcaac tccatcctcc atgataggtc 420
 cttcatcagc caaaacagca cccctggtgc cagcccgagt tcgtttcaaa actttgagct 480
 ntaaatttgt ccttctgtca cagcccaacc aagaatcaca c 521

<210> 41323
 <211> 406
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910011b04d1
 <400> 41323

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 acccaacaaa tataagaggc aaggaataaa tatcagacat aatgggtagg tatccagtac 120
 ttggggattg gcactagaaa cccacccaaa aattcgactt tgcaattggg acacctcaaa 180
 aacatggaca agaaaaaagg aaagaaccgt ttcattataa aatggcttat ttgttggtgc 240
 tatggctgcc tatatgaacc tgtcgtttgt tgatcagact tattaggtag caagatgagg 300
 atttcataga gggaaaaata gccgcataat tctgtattat tttcgttcag tctcttggtta 360
 acttcaaagc caaaatctgt acatgtcaaa gaggccttaa caaggg 406

<210> 41324
 <211> 491
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910011b05d1
 <400> 41324

gaaactgaaa atacatttgc gctttataat attgacaaaa taatttagaa gttttaaaac 60
 aaactctgtc gccacttatt gtatggcaca atgataatta tcatcaggta acatattcga 120
 gtaacaaggc tacttcacac attaattgta catgaaaaca tgaatacaaa atattgctgt 180

gtgccaaatt tgacatctat gtacagaaca ggagccaagc ttgggaagtc tgttttatac 240
 cgcacaatca tttgtagtca cctcaggaaa gaagcaacac taaatggcct caaaatagga 300
 gctatgcaat ctgttaattt tctagcacat ttgcagtctc catgaataaa tgacttgaat 360
 attcttgacc aaacactttg ggaaaagatg cacagaatct tcttcaaagc ttcatagcac 420
 atttggaat catttagcag aagacatgag ctgcagagat gacatccagc tacttgaagg 480
 gcccatTTTA c 491

<210> 41325
 <211> 536
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmro02910011b07d1
 <400> 41325

cagacaatgg tcaaaatata tattgccatt ccgtttgggt ctgtaacaga agcagcgaag 60
 cataaaaaaca atgcatccaa attaaaaccc acaacggtag tggtacatct gaacatcaaa 120
 cacaacaaca gaaaaagacc acaagaacaa gaatctgaag tagattctag tagtcttcgt 180
 cctcatcctg gccctcacca gactcagcac ccacttcttc ataatccttc tcgagggctg 240
 caagatcctc acgggcttct gaaaattcac cttcttccat accctcacc acgtaccaat 300
 ggacgaaggc acgcttggca tacatgagat caaacttggt gtcaatgcga ccaaacacct 360
 cagccacact ggtggagttt gaaatcatgc aaactgcct ctgcaccttg gcaagatcac 420
 ctccaggaa aacagtaggg ggctggtagt taataccaca cttgaaacca gtagggcacc 480
 aatccacaaa ctgaatcgnc ctcttgggtct tgatggtggc aacagcagca ttcaca 536

<210> 41326
 <211> 506
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910011b09d1
 <400> 41326

catcatataa aatatatatg ttctgaaaga acacatacaa gtacacaaaa aaaaggggga 60

aattcataaa aaaatacaga aaaaaaaaaa cagaattgag taagagggaa ggaaacatag 120
 agaaaatttt agcaatcaga taataagaag ccagtagtag tgcaaaagtc ccttgccaag 180
 agtggttgaa ccccttttag ttaagcaggt accttctccc ccttgagtgg cttcaccact 240
 tcccatgtga agtcaggggc atctctgcca aagtgtccat atgcagcagt cttcaagaac 300
 ctgccatttc caccctcttt gagatcaagg ttgatggaga tcatgccagg cctgaagtca 360
 aaactctcct tcacaatgct gaggatttcc ttgtcagggg tcttcccagt gccataagtg 420
 tcaacaaaca cagacaaggg ctcaggcaca ccaatggcat aggaaacttg cacaattgcc 480
 ctctagcaa gtccatttgc aacaat 506

<210> 41327
 <211> 486
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910011b10d1
 <400> 41327

cagaattaaa aatgaatcaa ttacaattag ctgacaaaaa aacaacagca attttgagaa 60
 atattacagc tgtcaaaaaa aacagacttt cacgttgtat cgatcacaat tcacaaaatt 120
 tgtcaaaaaa cctacagaat taacatgagg caacttcacg atctacatat tctaattctat 180
 gcacgtgtgc aacgtaccct gatcaaccta tatattataa aactaattcc tacctctgat 240
 actgtccatg tggagctacg cctaccatgt gttgttaciaa cttacaagct acacagaatt 300
 atgagaataa aacaatacat gtatcgtttt attcacattt gtttctccaa caaccaaact 360
 gtacctcagc aaaaagaccc tgataaatcc caggaaactt gtccaattta catcgtacct 420
 gcatgcatac tgcaatcaac tgtcctcttg tcaagctgtg ttgaaacaca ccgcggtcaa 480
 tattca 486

<210> 41328
 <211> 496
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910011b11d1
 <400> 41328

gtcacaagag ataattttat tccaaggaga aaatatttaa tacaagtggg aattttattg 60
 attgatccca ttgatcctct caataacaga gataatccct tggctgccaa gcttcccctg 120
 accattagcc agcatgctag aaaacaactg tttagacaag gaagcccctg gcaagacaac 180
 aagatgagca tcattctctc cttccacaac atcaaccccc atccccaaat ccttaacctg 240
 atactccgca aaaccccctg gtgcgaaaatc cctctcaatc atcctctccc cgaacaattc 300
 aagegccttc gaacccgcag caccgtcttt tatggcttcc acgaactccc tcagggtccag 360
 ccccgcaagc ttggcgaaca ccagcccctc gctcagcccg atcaagttag cgccaatcgt 420
 gatctgggtc gcgatcttgc agctcttgcc gcaccccgcg gggcccatgt aagtggctct 480
 tccgaggatc gagaac 496

<210> 41329
 <211> 469
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910011b12d1
 <400> 41329

aatgtccaaa acattcacat tcattcacat aaaagctggt ccttagttaa ggacacagga 60
 aaatgtcaca ccttaaaagg tcaccaccac catgaccata tgagccagtg gccaaattct 120
 agaaaactgg tgtgggtgtg atgggttaaag taattaaagt aaaattcaaa tcaaagacag 180
 ctactacaat ttcccagttc ttgaacaatg gcttccatgc ttggcctctc aaatggagac 240
 tcatgggagc aaagtaaggc cattctcgct agtttggccg cctcgatttc aaagaacttg 300
 ccatgcaagt tcggatcaat aaattctggg aacttgaagg actcagcagc aaggcgcat 360
 gcgcttgtga tcttctgctt ccccgtagag atctggaaaa gaagcacccc aaacgcataa 420
 acgtcacttt tctctgtgaa ccgcccagta gtgggtgtatt ctggagcta 469

<210> 41330
 <211> 329
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910011c04d1
 <400> 41330

ccagggccaa aaaccggttt ttttctttaa aggggctgga aaaaaacctc tggggaaggt 60
 tggggccccc aaattgcccc cccccccctt taccaatggc tttttacccc cccccccct 120
 caaacccaaa aaggtctctt tttttggatt ttttaaccac ccccccccaa ccaaaacccc 180
 aaaaaccccc ccttttacct cccccccccc ttcttttttt ttttcccaa tttaccccc 240
 gaaaaggtaa cccccccct cctccccccc attaaaaaaa tccccccca agtttttttt 300
 tacccttaa aaaaaaaaaa actttcttt 329

<210> 41331
 <211> 377
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910011c05d1

<400> 41331
 gacttgaaac atgtttataa tgttttcata tcaagaatat cattcagcat aagagtacat 60
 gataatgaac actgttcaca aacaagtcaa cggtaccaat tgacaaaggc atctttgacc 120
 tatcgtaagc atgagaaaca aggcacagag tatatcataa cggtattctt agtagggaaa 180
 gctttggggg tttccacct tttttttgaa aatccatggg ggaaaacttg aagggattaa 240
 cgagcaccg gctttaaaca agttctacct aatccaaggg ttaatgaaca tgcccccaaa 300
 acaattccca tggacatcaa tgaatgaggg aaatgatgca ggggcacgct aagaacatgg 360
 aaacagtcgc acgggaa 377

<210> 41332
 <211> 499
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmro02910011c07d1

<400> 41332
 aaattagaat gattattttg gcacaagcaa tacagataaa catcaaagt tttacaacct 60
 agtgtttaaa taaaaagaag caaggaagaa gcaactttat gctctcaatg gaagaatcat 120
 agaactctag tgtttagga accacaacta gggcatttgt ggtagagcca gtggaagggg 180
 gtctctcctt tcttttcaca atcattacat aataaaacct gagttggact agaaatctca 240

tcaaaaattc ttttttcagc caacaacgca tctaaccatcc taaaatatac ctgcatgtct 300
 ccaagtgact tgctacatat tgggcaggta taattaaagc aggtatattc ctgaaaacat 360
 gttgagtgc ttacatgacc acatgggagg gctttttaccg gagagcagga tgtgaagata 420
 tattcatgac aaattggaca nggtgcctct aaatgtttct ccctgcatgt atgtgtcata 480
 agagaacgag acatacaag 499

<210> 41333
 <211> 392
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910011c09d1

<400> 41333

ccactatata taatattatc gataaacaat gggaatcaaa attttgggag atgaacattt 60
 ttcccttcaa aggatcataa cttacatttt taacaccaac aggcatcatt ttgctttaag 120
 catgaactta ttcggaataa ttttaaaata ccacaaaatg gtccagggaa aattcccacg 180
 gtccgtcaat ttgtagctga aaacgttggt cgatactcaa gctcagcgaa cttgctgatt 240
 ctctatagta tgtatcgggt tcatatcatc agaccagtgt ttgaatgtct tcagccttag 300
 aacatctttg atgctgcatg ggtttgagga aatatacttt ctacctcatt ggggatgaaa 360
 caaatgccac tggcatctta tttgtctact ac 392

<210> 41334
 <211> 442
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910011c10d1

<400> 41334

aatgacaata actcaacttt attattaagc aattgatatc cctgagagac acattgattt 60
 tatttgaaag acgattgata atacttaata tcttacaata ttcacatgtc gcaaataatt 120
 gcttaggggg gccacgttac ttactgttat tggcttcgct attggggggc tgatactatt 180
 tatactactg gactattatt ttttaattgca taaatagttg gggttggttg gaatgtacat 240
 ttttgtacaa cgtcaatttt caagctccaa ccagagcaca agcgagtacg gcttccaatt 300

cactctttga acgtgtcatc gttggatcac caccgtccat ttcgtttgcc catatttctg 360
 ggatcacttg tgccaagtta tgtacactct tcacagcata ggcagctcct ttgcttttca 420
 ttggcttccc aaccagaaca gt 442

<210> 41335
 <211> 296
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910011c11d1
 <400> 41335

gggggaaaaa cccccacccc aatttttttt ttttttcccc cccaaaaaac ccaatttttg 60
 gccaaaccaa atttaacccc ctttaaaaaa aggggtgcct tttttttttg ggcccaattc 120
 cgggctttct tccccgggt tggaataa taattttttt atagggggcc ccaaaataaa 180
 ttaactggcc cgggtgttac aaccgtggga atgggaaaaa cctgggggta cccaaattaa 240
 atgccttga gaaaaaacc ctttttccag gtggggtaaa aaaaaaaagg gcccc 296

<210> 41336
 <211> 572
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910011c12d1
 <400> 41336

aaaccataaa cagtttataa aacttcgtta taaattaaat gcgacttaaa acatccctca 60
 gcagcaaagg aaatggacta aaaccctata gctgcttggt aaattcgaaa tatctcagac 120
 tcttcttacc atcaaaacaa aaaacagtac tcatcaaaaa caaacagcaa tgaaaattga 180
 ccaccgccga tcaagaacct agttttgaaa gttacggcta catgaaatcg gcagaaactt 240
 aaaaatataa cttaaacaaa acacctaaga ctctgcaagg ataaaactac tataaaggag 300
 taaccacgat gatgatcaca tgtgctagca aaattgccca aatgcaatca cttcttcttg 360
 gcagcggcct tggtagcctt ggctcgggtg gggcttttct tctcaacact cttgatgact 420
 ccgacagcca cagtttgacg catgtccctc acagcaaaac gaccaagggg aggataactca 480
 gagaaagttt caaccacat gggcttggtt ggaatcatct taaccatacc tgcacacca 540

ttcttcaaaa attggggctc ttctcaagct cc

572

<210> 41337
<211> 417
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910011d02d1

<400> 41337

actcataaaa aggaagaaaa tacatatata atcacagtct tcatgcaata aactcgatca 60
gcgcttgagt atgaaagggtg cttcatgctt ggaataagct tttaacaata tagtccatat 120
aataacaata catcaccata taggactctc tttctatgaa attccctata tttaggggca 180
caattaatta gcgtgggtaa acaaaaaaca gaaattacat aaacagtga ccaaaataag 240
ttaaataaac tgtagagaga gatagaaata gctagtatag gcaacgatat ctacaccgtc 300
tctgcctctt ttgcgacgtt ttactaattt tacacgtaaa atatagagag atagagattg 360
aggcaacaac actgatcttc caattccatc aaacttcgca actcaccctc tcctctg 417

<210> 41338
<211> 364
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910011d03d1

<400> 41338

ctaaaccgaa gttgtcaaga aaaagttgac atcatctcat gcataaaggg ttcccaccaa 60
tctgtgcaaa tctggataat catgtgagaa aagcaagaag ccacagaatc caggtttta 120
atttcatact gagctcgatc accatagttt atttttgatc cagaaaagta cgaagacaac 180
tccaaaaaca atagcaacag gggcccactt ccgaatcaga gcctgccggt ttaaattctt 240
agccttatca gcatatatgc gagattctga tgataagcga ctggacattt ggctgacctg 300
gtccaactgt tcaccaacac caagaacttc ctgcacattc cgagtcatta tctggtggac 360
ttca 364

<210> 41339
<211> 530

<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910011d04d1

<400> 41339

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caatacaacc ttacaaatac aaacaataaa tgcctaatta ctagtaattc ctaatatattat 120
cggttggttg cctgactagt gtgactactg cctagcacta gcactaacta aatatcatac 180
aaaaaccgaa cgggttcaaa cggggtttgt attcctaaac tgcaaatttt tccctagact 240
ctaataaaat atcagcaggt gggaaccatt tgagtctggg ccaagccggt atccggttca 300
gccacctctt tctcttccg aatctctaac actttacggt gactattgga gtgaatatcg 360
ctgcagaagg tgggactaca cgccggtcta tactccgaaa ataaccgacc cgacttgtag 420
cgaacccgc acgcgttgca aaaggttttg gcgcccagtg ggccggtcct ccacttgggc 480
gtcttctgca cctggcagtg actgcaccgc cgctgaatct ggactccaac 530

<210> 41340
<211> 183
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910011d07d1

<400> 41340

aaaaaaaaagg gaagctgggc attactatct ccaacaataa gaaccaagtc ctttctcccc 60
tgattagggt agctacaagg atcaacaat gtcgtcacca gctaattgat acctttgata 120
ttgacttaga tcataacttg aaaatcgata agttttatgc acccaacatt cataatccat 180
gac 183

<210> 41341
<211> 483
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910011d08d1

<400> 41341

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taacttattg gggttaaccta attagattag agacagtaca tcataatgga taagtttttt 120
 ttttcttcaa ttcattgaatg tcatatagca tcgtgagcaa tcagcctttt cattatcaca 180
 gattgactgc tcacgatggt atatcatcca taagttttct tccatgctgt taaaatccac 240
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 acacaggaac caagcacagt cctctactct tcaagtcgct tggcttatct tttgcacct 360
 ggtttgagc tccctttctt ttcaggccat tgtcattcaa cagctgaccg gggtcctcag 420
 gaaatacaga atttctttct cctgttacct gttgagactg tggattcctc atgttttttg 480
 atc 483

<210> 41342
 <211> 419
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910011d09d1
 <400> 41342

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 tacagattga gacaagctac aaagtcaagg agggggggct gaactttttg cgttggacc 120
 tctcttccaa gaccaatct gcactactgc agaatttgaa aatctaacct aagagaaaca 180
 aaaacaatta tgaacaaac atttgattcc attgtggctt caacatgaac tggtagtca 240
 aaacttgaag agcgactcca tcttcttgc aaatagtcct ccagagagac actctgctca 300
 gtgctactga tagaaaccgt atcactctcc aagtctagta aagcaagggt cagggtgggac 360
 tgaatgtag ttggaactgg ttctcatca catccatcaa gttctgtgg agcattaac 419

<210> 41343
 <211> 509
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910011d10d1
 <400> 41343

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 tactgtattg aactgaaatc catgacctgt ggacccaat gtcacatcag agtctaaatt 120

actacgagca tacttgtgtg actccatagg ctcccaaact ttctttgatt gaggcaaadc 180
 cctgctggaa tagttccctg agatgactct gcctttgggt cttccattac tctcatgcat 240
 gaagtctaca tgattatact tgctaccacg ataaaattgc ttagatgtat ctactgtgga 300
 ttcagactta ctagcagggt ttgtctcca actaactota ttggttctat tattegggct 360
 acaattgcat gaatggaaat catactctgc gttcatccag ctggttgaac cataaaacct 420
 ctcgctgcac ttatgaccaa tgtttcgact attggatttt gcaacattta ttcgagattg 480
 cctgttcaac ccattgattc ccctggaag 509

<210> 41344
 <211> 350
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910011d11d1
 <400> 41344

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 gggaaaaaag aaggagggga ccctttcggc ctaccccccc caaaaaaag ggggggggggt 180
 ctcccccccc cggggggggc cccaaaaaat cccccaaaaa ggggtcgcaa cccccaaaaa 240
 aaacaagaaa aaaaaaagg gggaaattcc cctcagaccc cccccccccc aaaacaccgc 300
 caagaaggaa aaattttttt caaaaacccc ccctttactt aacccccccc 350

<210> 41345
 <211> 201
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910011e02d1
 <400> 41345

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 aaaagaccca tgggggaccc ggtatgctct cttacccaac gataaggacc tgcttaatag 120
 aactgaccta tatttacatt atacaatact ttatttatat ccaactcgcg gacctgctat 180
 acttttaaaa attaaaaccc c 201

<210> 41346
 <211> 432
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910011e03d1

<400> 41346

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 aaaattgtct catgaggaaa aaatatcaaa ttcttcaata atcagcatca tgtagaaatc 180
 aaattagtgt acaacatatg aagagtaagg gcaaaactgt gagaccaata tttctgtctg 240
 ccaacatgat tatgaggctg cagcagatga tctttgtgtc ttcaatccaa acagattctc 300
 aaacaacttt cggagccatg ggaggaacat tggcaggtag tggggcccta aaatttacta 360
 atttttcggg aacattatac cttatctttc gactttttga ggcgcgacga tcaacaattt 420
 ttcttttctt tg 432

<210> 41347
 <211> 434
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910011e04d1

<400> 41347

ccaaaaacaa gtgaaacatc tttattggca tgggcacaac atccagacca ggcaagcatc 60
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 ggtacaagta catacaatca ccatgtgaca gaatatatat acctctcaat taccaaakat 180
 gtaccagaca atgtagactg cagcagagcc taaaatatgt taaatgatgg tttgttggtg 240
 gaatcaactg agaaagaaac atagcaacat tgtatgttaa aaatgctcta aaatcctatt 300
 acatcagaga tgcactacgg ttacaattta gtcatacaaa agctgagtaa caacaattgc 360
 ctactcccat gatactgata atgaaaatag gaaaagaaaa gaaaaacaag ggaaatatcc 420
 ctcaacatca ttgt 434

<210> 41348
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910011e09d1

<400> 41348
 aataaatcat gaagaatatg acccccattt aggaaggcac agacaaaaaa ttttaacgac 60
 aaataattgt aggaacaaag cttctttgaa gaaaatggta acaagaaaac atgaaatcgg 120
 aggctagctg tttgcgatat tagacacctt agtacagaac acgacccaaa tttgggaatg 180
 ccggggaagg ccccaacaaga aaatttatta gcctcattaa aaaaacagga ctaaggggcc 240
 taaagataag agctattaaa acctc 265

<210> 41349
 <211> 410
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910011e10d1

<400> 41349
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 ccattttcga tccagggtgtt cttcctgggt gcattagcta aggggcagaa aaacatgttt 120
 gtcagacagc taggttatcc tacgtatcct aattattgtt tgtattaagg caaggaaaaa 180
 taaaatacta gcttggatca cttaaagcgac cagattggaa gaaacgcaa attgaagaat 240
 tctaattgctg caaaatgact ccaagacatt aaatccataa ttgaaacttt acaataaaaag 300
 gtttttgttt cctcctcaaa gttgaggcag atgtggtctc ttttccaaca tttcataatg 360
 aagaacaaaa ttatcctttc ggacggtttc aaatatgctt ggatcgaaac 410

<210> 41350
 <211> 517
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910011e12d1

<400> 41350
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tgtacaattg caagcaatcg cacggcttga gagtcatata ttaccacctc cattcttctt 120
catgctacaa actatattat atttaattcc cacatctttg ttttcctttt ttttctattg 180
ccactgttac gtacactttg caataaaagg aacaacaata attatgaaag cctagagcca 240
attaagattg atttttctct aactagccca aagcatatgt ttaatcttaa tcacttgcag 300
ccaccagcac caaacccaat tcttcacca ccaacatcat acacaacctc tattgttttc 360
tgctgcacgt tcccatatat agtaacatca ctatcgtcac catttgcagc aaaagccaag 420
caaacttgct tggcactggc cacgtagagt atcccttgcg gcggaagctg caccgtgacg 480
ccgccggcga aggaaaaatc tatcttggga atagaaa 517

<210> 41351
<211> 425
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmro02910011f02d1
<400> 41351

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caacagagta ctaaaaacag atatttatag aggtaaaaca aggtgactga ctagaggcat 120
ttggcctcga tctcctctag tgtaagcccc ttggtttctg gtttaccaaa gtttttaatt 180
ccaaaaaagc cccgggtttt acacaaaatg ggtaaaaaca aaattccact tccaaaaatg 240
gcctccaggg ggaaaaagga aaagtgacca gggcatttgc cccaaaattg acgagtacag 300
ctatacttag tccttgacct cttaagcgca aggggaaaat ctctgctatc attaaccaac 360
caattggacc aaaggaaatc tgataactgc caacgtacaa cagcagacca attacagcaa 420
caact 425

<210> 41352
<211> 522
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmro02910011f03d1
<400> 41352

ggttcatagc atgaactttt ctgctgtcaa aagaaataaa acacaaagtc cataatgtca 60

tgttggttgt aggaattagg attaaacact cctgtcacia actatatttc taatggtgaa 120
 actgtacaaa tcgcgaataa atagaagcaa ccagctaccg ctaaagctta aaattaaaac 180
 catagccttt ataaaaggta gagtgaagaa agaatttaca caaaatagaa ttcacttttc 240
 atgactgtct tcagaagaat ctatcttaat tatgagaggt tgggtaagat ctgctgatgg 300
 ttcagcaaca ataggtaaat ctggcgagga agtaatccca tcaatatctt cattttcggc 360
 caaggcttta tctaaagcag ccttggcaac tctagtaaca catatcatca gaacaaccga 420
 tatcacaaga ccaagaatga taaacgcca acgagtcttt gagaactcgc cccaaccatg 480
 tgtaacatca gaaagatctt taagagttgt tccaacatat ac 522

<210> 41353
 <211> 504
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910011f04d1
 <400> 41353

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 gtttctctaaa aactcaactg taaaaccagt aaaaatgtaa caaggaattt tcctctctca 120
 tgaccaatag aatttttgaa aaagaaaatc acatttcttc aacaaacgac agtcataact 180
 ctctctcgta gtagccatct agttccttgg tttattgata caatagctga atagcaatgg 240
 atttcttctgt agcaggccat actagattat taagaccaa gtttaagaatc agcgccagt 300
 agtgctatca attcaacctg caaacttggg ttatatctga ttcaatgttt agcattgacc 360
 atgtttctga tgacatattg taagatgcct ccatggttga agtaagctag ttcaacctct 420
 gtatcaaactc tcagtgtaga tacaaatgat ttcccggcat ctgtcaccac tgtgacatct 480
 tggcccgggc gtatttcatt caca 504

<210> 41354
 <211> 339
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910011f08d1
 <400> 41354

acctccaaaa aatacattag cacatcaaat tttgtcaag aaactcaact ttgtaaaaac 60
 aaaacttgag ctaactaggt ttacaaactt aacttcacaa acttttattc aaacatacac 120
 tgactcttta acgcaaacct taattagtta cacctagatt gaaagagtca agcataaaaa 180
 aaaggatga attcaaagcc ttgtttcaca aaagcttcag tcaccataa cttcaagttg 240
 ggcagggtta tttctggctc agggcctttc gcattcaatg aaaatgtaag tagaaaactg 300
 cgatcagaaa ttgtggtcaa gtttgaattc tgaacattg 339

<210> 41355
 <211> 281
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910011f09d1

<400> 41355
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 tcaagccaag tacatcagcg agtatataaa aatccaaaaa ctcgatcccc ctccacaaga 120
 gaaaacatca aaagtccaaa aaagagctaa tgctcctcca acaagtaaca ccactggttt 180
 cagaaaccga tttattcaga cctctcattt tttgctcgag caagacactt aatcgagct 240
 aaacataaac atacgcggat aatgtgaaga caagctactt t 281

<210> 41356
 <211> 456
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910011f11d1

<400> 41356
 aaatctaata ataacacttg cacaaaataa tttctttacc tccaaacatt tttttatagt 60
 tcatacagta caaggaattg tctgcgtctc tgaacctttc tttgaggttc atcatacatt 120
 acaaaaagaa aactgaagta aaatagttca tagtctaggt ataaacagta tataataaat 180
 tacacgaacc aaaaagaatc ctttagaaaa tatagtgaag aagaatcgta ggaaatgtcg 240
 tcgtgatggc aacaagcacc cccctcaat tttgagggca ctaatgaaag gtggcacaaa 300
 taaggccctt tcaaaatcct ctagccacaa ctctatgttt tattaatata ttcgtcaccc 360

<223> Clone ID: jC-gmro02910011g02d1

<400> 41359

aagatgtggc taaatcctaa tgtttctatt aacaaagtta caaatgctta caataatatt 60
 gtatataata tatccataaa aaataggccc atacaggtaa atgaattcgg tggacaccaa 120
 aatcacagaa atgtaacttt ttttatgata atcactatca tatcaacccc atttatttct 180
 gaagtaaagt acagattata ggggttgcta aacaaatcta aatacagaaa agaattgtgaa 240
 acatattaca ctccaagtgg aagacaaacc ccaatcatat ttacacaagt taaacac 297

<210> 41360

<211> 471

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910011g06d1

<400> 41360

agtaaaattg tgcctccaaa tttccaatca agggaaacag cgaacagaac tagcagttac 60
 tagaaagtat aaacacatct tacaggctaa gaataaattg ggagaacaaa ttaggcatag 120
 ttacatttcc aacgttggtg aaatcagggtg gcacggtgag ctctcaaaag aaactaacag 180
 cttcaaccta ctacccatt cagctgcatt tgatagtttt cctacacaaa ccactatgat 240
 gccacttat attaccagaa tatattggtt tctcaccatt ttttcctacc cctctttatg 300
 tacaacatg aaaaagcaag aagccgaagt ggataaaatg tacagcaaaa tctttcccca 360
 cttcaatata gctttgcaag aacgtatcaa ttatgggttag tgccgatatg attctcacac 420
 attcatagac aaagattggg catgttcctt atcagtatta tgactaccac t 471

<210> 41361

<211> 478

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910011g07d1

<400> 41361

ataaacgatt aatcacctca aacaacaaaa acattctgat ttctgagttt aatgcaaaac 60
 taaaaaccaa ttaagcatat aataaatata aacagaaact gactcaaaaa tccctctggg 120

agaaaagata ctagactatc gttctcctaa ctcgaggcac ctaattcttg gccacaacaa 180
 gaaaatcgaa taaaaggaaa aaaatcaaac caatcagaac ctacaaagtt ccaataccat 240
 ccgccaattg cataaaaaag tctggcttcc aaggggacct aacggagaaa cttataacat 300
 actcaactta caaatccatt cattaaacta gatatatcta ttaaaaaccc aaagcttcaa 360
 atatcaaata agtcaaccaa acttgactga aatatggcac aggactgggt gcatgaagaa 420
 cttgatcacc atccagctct tgacccaact tagaagcact tccgatgaac gatagctg 478

<210> 41362
 <211> 341
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910011g10d1
 <400> 41362

aaaagccaac ataacttttt atatgtaata atgaagagct tcaaaactca tgctaaacat 60
 gctaggtttt tttgatcctt aaatgaaact ttgaaaaaaa agaaattacg ggaaaaaatg 120
 aaaaaaaaag ttaaaaaaaa ttcccctggg cctaaactca ctccaggcaa atggcagcat 180
 tattttatct aattacaatt gctaactttg gcacactaaa aaaacttcca tccttttgct 240
 atttacatgc caaaaaatca agcacaagtc ctaggggaag gggttctcatt actttgacat 300
 ttgcactttg cttacaata tgagagtata ttgacttttt g 341

<210> 41363
 <211> 360
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910011g12d1
 <400> 41363

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 atgttacaaa tgaaaactag aatagaataa ttaatgcgcc cccaaaacgt atgggggggg 120
 aaaaatataa ctttttcaag agcttcactc ctcaaaaat aatagatcct cttatatgga 180
 tcgcactatg aatacctaaa gcactattta ttccactgta aacacctttt ggagataatg 240
 tgagacacaa ttatggttgt cgatccatca agactcggca gataagatgg tgaatcttca 300

tgctattcat gtggcattga cattcaatgg agactatggt accaatctac ttgtcttaaa 360

<210> 41364
 <211> 293
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910011h02d1
 <400> 41364

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 atgaatacag atggacagga atcacactcc cacagacttt cgcattgcaca aactgacgc 120
 tggaaaaaaa gagtcgcaga agagagaaaac ccattcacac ctctcacaat ttgcttgtct 180
 accaacatta cgaattgttg actgtaggtg agagacccat aacctttgcg gattccccag 240
 caaagacaca ccatgactcg atggtggctg aacgccttcc atgcacagac atg 293

<210> 41365
 <211> 510
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910011h03d1
 <400> 41365

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 gcagttgagc tttattaatt gtttccatt agatatatga agggttaaca tagttttgaa 120
 aataatcaag aagccaatca gttccatcaa tgtgcgaaat attcgtgtag gagtttgctt 180
 cgtaatccct gagttgcttg gcataaggga ctctggatgt ataatttgct ccagggtcaa 240
 gacaacggta ctccccaaag aagacactct ggtctctaga gggatctctc caatcattcc 300
 atccattagg agctacgaca tcagacatgt atgttcttga gaataccaca gaggcattagg 360
 ctccccatgc tgtttcaagc cacactctcc cactcccaac aatgctgcaa ttcacaaagg 420
 aaaatccact ttctcattc atcgattgtc tcccttgagc ggtgatcgac ccgctaattcc 480
 catccttctc ttgtttgcta cacagtttat 510

<210> 41366
 <211> 470

<212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910011h07d1

<400> 41366

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gctagatcga gactgaaaaa ttacaaatta aaatgattca aattttcaac aatctttctt  120
gaagaacaag agcatttctt attcacatca gtaatgaaaa cctaactaca actacagagc  180
ataattatca aaactaaaaa agaaactaca aaacagagag gccaaaagat aatctaaatt  240
tgataataaa aaaatcaaga aaagcgaatc cctatttaag agtcatcgtc agcagcagcg  300
cccttggtatg agccaccggc cttcttgggg aggagaagat tgtgaatgtt gggcataacg  360
ccaccgttag cgatggtgac gtcaccaaga agcttgttca attcttcgtc gttcctcacc  420
gccaatgaa  tgtggcgcg  cacaattcga gtcttcttat tgtctctcgc  470

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<210> 41367
 <211> 392
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910011h09d1

<400> 41367

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aagaggctct aatgggacat caaaaacaca attagagcct cagttatcct gctatacaaa  120
tatgttaaca aaaggccacg aatcactcaa agtgtgtgaa aaaaataaaa aacacaaacg  180
gcaaacccaa gacgtgctt aatcattgat tagcaggggc taataactga actaaaaaat  240
acaaaaattg gagcctatct tttttttctt cactcagatt tttacaagct acgaggcaat  300
ttgccattgc ctttcttctt caacgagtta agcttttoga gcttcattc ttctctaagc  360
cgagcaatga acgttgcggc tttaacattc ac  392

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<210> 41368
 <211> 468
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910011h10d1

<400> 41368

acatctcaag taaaaatata attttgatta ggaagaagta actagatata ctatattgta 60

tatagtaggg aaaaagaata tataagaccg tctaaatttt tcttaattta caatattccg 120

tttttatata cttattcctt aattttcaat atatcatgta ataaatctat aaggccatgt 180

ttggtaatcc gggggttact cttgaactca cagaagctgc cacggccacg tttgaaacga 240

cgtgttgctc ggggatgaac atagttgagg taggtggctt ataagacatg ggtatgcaag 300

tttacatttg tggctcgggc tggacaacat agactttgcc atccttgatg acaccttcaa 360

tgtcctgagg agtgccatac aactcttcaa tttcatttcc tgcacgggca atgctggaca 420

agattgactg ggcgaaacta ccatcaagga tcagtttgtc tgatgaat 468

<210> 41369

<211> 472

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910011h11d1

<400> 41369

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tgactgactc tgatgcactt aatttagaag cctctaactc tgctttgatt tcagctttct 120

ccgcctcaag ttttctgaca gctgcagttg cttgggtccat ttgaccacta gtctttctca 180

aggcattctc catttctgag agtctcatca tggttggggt gtccagctcc tcagctgccc 240

ctgtctcctt cggcagaatt ttattctcct ctctttccat cttgaacttt ttcagctcaa 300

tcagatcact gcttagcttt tttgccgctt ggattggctt ctcatgagcc caatctttcc 360

gctccttgac ctgtttctca agatccttta tctgattaac tagagtgact atcacctcct 420

ccttgctgctc ttctggcaca aactccacat tattatcaat atttatatca ag 472

<210> 41370

<211> 397

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910011h12d1

<400> 41370

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 tttatttaca atatcttctc aattttattc atgcactaaa atgaaaagat acaacctgtt 120
 ctaacaaaaa tcatgccccaa gatttaattt taatttggtt catatacaac aataaaaactt 180
 cgacgacata ataagaattt aaccagctga ctaatctgca tttacattta atgaaaacct 240
 ttattatgca gattattatt gacatgaaac tacataaaca ttaatgccaa ttagagaaca 300
 ataccacaag cactcactta cgaagctgcg tctaagtttc agcttcgaag gtggtgtcta 360
 cttctaaagt ttctccattt aaattatctc cttctgg 397

<210> 41371
 <211> 412
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910012a02d1

<400> 41371

caagataagg actccatata ttaattacat tatccaaaaa gtccaaacca cattaccatg 60
 cagcaaaggc agtgaagcac tgccctccta taatcagtct tgtcacta aatgtcgact 120
 tgacataata ggctccaac aactacaatt actgataaat aaataaaaat taaggagtgg 180
 cttttattaa tcttgactg gttttattga acacaaggcg atcatcatac actaattctt 240
 caatgctccc aatgtccaag tttcagtact aagatctatc attacacttc acagcgtggc 300
 ttagcaactt cagcctgag cgactgctaa cgaagcctga taaaaattcc gacagcgatc 360
 attgtcccca agcacaggca gcccgaagat taaacatgct atttatgggg at 412

<210> 41372
 <211> 228
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910012a05d1

<400> 41372

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 gttcaatggt accgtgtagg aagctaaaat tcaaccaacc tttcaaataa caaggtaaaa 120
 gccctacacc aaaaaataa ttatggtaat ggcctatcta tgtgctgaac ctgagaatgt 180

cagcataagt tgtgatcaac gaaaataaaa gcatttgctt acaacatt

228

<210> 41373
 <211> 477
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910012a07d1
 <400> 41373

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 caattcgcat agttcacccc tccatggaac tggaatttga tcagcagaac cagcaattct 120
 aataagggca acttacagaa ctttgggggc agggaaaata tactgcaaaa attatatata 180
 gcctgatctg atccttaaag gggttcaaga gaagtgtctg agtggaactg tggaagtgca 240
 ttgggcttca ttcatagggg taacttgatt ttctcagacc acttgaagat atcagaatac 300
 actttatcac ctctagatc ttctcctttg gctccagcag ccactottat aacatcctca 360
 atcaatgcaa aatttcccat gatgtcaacg tgagcaccac tttgtgtgcc ccttcctctc 420
 aaaaggggtg ctggaggaga atgatcatat tctctaactg aggtgcggat accggat 477

<210> 41374
 <211> 510
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910012a08d1
 <400> 41374

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 tttaaccaaa aaagctaaaa cgctagtcac tgagaaaaat aaacaagtaa ctacacttct 120
 ttgatagcag tccccctccc catctcaaca ccattgccat aatcatcatt ctccacgaat 180
 ctggaccaga aggggtgtgc cttccaaacc tggttcattt cttcaatggg aatgcccttg 240
 gtttcaggca agaagaagta gatgaagaat gtcacgatca acacgaaaaa ggcaaagaag 300
 atgaacaagc cgaacttcat gtggcaaagc attgtcaaga agacttgtgc aatcaagaaa 360
 gtgaaaaaca tgttcaccga cacatttata ctttgagcag ccgaacggat ctccaaggga 420
 aagatctcac taggcaccaa ccaacctagg ggaccccatg accaggcaaa tgctgatagc 480

taaatgcaaa tgaagagaac cacaacaact

510

<210> 41375
 <211> 489
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910012a09d1

<400> 41375

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 tttaaggcac ctccacaatc cacataagta aaattcatta tacagtatac atattgctga 120
 agtttggggg agagggggtg cgaatcccaa atactttgta atgatgcaaa gtttcaaaca 180
 taacatatga aatgtggccc attaactcac gttcctcaag ctaagtcctg atacacagga 240
 ttaacctcta gctgctctgc gaatttctcg aggatattct tcacaagttt tgccagctct 300
 tctttatcta attcagcacc atctttttct tttgttattt cagcaaagac agcgtcataa 360
 agaagaacaa ctgcattgtc agcttgagct ggcggtaaac ccaattcctt tgcgtttctc 420
 tcaaggaagc tccttattat ttctgtgttc cctactagtc catcctttgc ttccggtttt 480
 tccagcaat 489

<210> 41376
 <211> 459
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmro02910012a10d1

<400> 41376

ccaaacatac aacatatatt catttcacta gctgttcaaa tctaaggatt tttttgtaga 60
 tatacatact gacaatacaa catcccattt ctacatgata ttctctaact agccatacga 120
 cagataattg gagcctacat aagtcagggtt ggtagcacgg cttttggaag acaagcctga 180
 ccatcagttg tcatgtccgg gccacatcaa aatcaccaag gcttttaaaa cccaacaacc 240
 ccttatacta cgcaatatag aacatatgtt catttatttt cttcttttcc ccgtgcttgc 300
 ataatcgtcc atggttaact gcttgcgctt cttcaaagaa gatggactct ctgtctgtct 360

tgccaaagca cgctttgatg gggtcatgct tttagcaagt ttcttctctt tgcgagcttg 420

tctctccctc tcatcgnatt cttggttttc cttttctac 459

<210> 41377

<211> 527

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910012a11d1

<400> 41377

ataaaacata cttcattatt tcttgccct aatttccaaa ttatatattt tctcacatat 60

ataaaataca caatacatat acaagaaaat tatttctaag aaatggtagc gacacattat 120

gtaacaactt ggctcctata ttagactacc cttgctcga gaaattagca ttaatgcttt 180

ccatggagcg ccaagagcaa cagatagagc agattgttgt cgaaagtgga atttaciaat 240

ttgactctag cttctgttct tgcacttttc cactgctctt ggtgctagcc cgattgcctc 300

agatcctttc attatacgca ggcgcttgcg tgattccacg aacatttccc acggtacgctc 360

accaacgagc atccagtcag catctttgtc ttcataaggtt ggtacgtaat cagagccggt 420

gagaagatca atcaatttgc tctcgttcat gaagtctttc atgccttggg atccacactt 480

gtcaatggtg aatgaactga acatttttagc cagcgcaccc aacaact 527

<210> 41378

<211> 512

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910012a12d1

<400> 41378

aatcacctca aacaataaaa acattctgat ttctgagtgt actgcaaaca taaaaccaa 60

ttatgcatat aataaatata aacagaaact gactcaaaaa tccctgtgag aaaagatgct 120

tagactatcg tctcctaac tcgaggcacc taattcttgg ccacaacatg aaaatcgaat 180

aaaaggaaaa accaaaccaa gcagaacctt caaagttcca ataccatccg ccaattgcat 240

aaaaagtctg gcttccaagg tgacctaacg gagaaactta taacatactc aacttacaaa 300

tccattcatt aaactagata tatctattaa aaacccaaag cttcaaatac caaataagtc 360

aaccaaactt tactgaaata tggcacagga ctgggtgcat gaagaacttg atcaccatcc 420
 agctcgactt gacccaactt tagaagcact tccgatgaac gatggctggc ccagattcat 480
 catattcacc cttggagatc cacatctgtt gg 512

<210> 41379
 <211> 448
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910012b03d1
 <400> 41379

ggcaaaacta aaaacgtaga ttatgatagt gaagaaacaa cataatacaa ccataactct 60
 actcatctaa caaaacagga aatcacattc tcagaatgac tactacaatt atatttgtga 120
 ggaagattat ctaaacctat acagggatac ttctagctga gaatcttcgt tttgctgtca 180
 aaactgccat tcccattttc agtgaattgc caaaactgtg aagaaattta ttgccggtat 240
 tgtacgacgg aacattgagc aagatactca attaaccatc accgtaaagc attcacgaat 300
 gccgtcaatg aatcaacatc tctcttttcc gaaggggtact taattggttg agaagagtgt 360
 ttgggggaaga gtagtattgg ggggggaagct tcccaactgc agttcagtct ttgcatattc 420
 cttctgtgtc ccatccccgt ctgaattt 448

<210> 41380
 <211> 339
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910012b05d1
 <400> 41380

ggactggtac catcctcaag tccaggacag atcttgatgt aattataaaa ttaagcaggg 60
 gcgttccatc aacatatata acatgataat atgaaaatgt cgagataaca ctccacatca 120
 agagacatta ggaagtagat taataatata ctgaaattaa ttacgtaatt aattctcatt 180
 ggccaactcc tggattgcc tgaggatctc agcacagcca gaagcaacct cctgagacat 240
 gaagcccatg gcattggcga acctatcgtc ggaggcaatg ccgtttagc gggtgaaaat 300
 cacaacgggt tcgtcgcggc ctgggggtgac ttccttgca 339

<210> 41381
 <211> 367
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910012b06d1

<400> 41381

aaacataaaa ccccatTTTT aaaaaacatt ttggccaaaa cgTTTggaat aaataagggg 60
 aagacatgga aaaaatccct tcTTTTgtt ttttaaatg gaaagaagcc ggattTTTT 120
 ttgccccagg ggggaacttt gtaaaacgtt taagctTTTT gtttcaaaac taaacagaaa 180
 ataaacgggg gggggcccta aaaaagattt ccaggggaa aaaaatttg ccTTTTtaa 240
 acccaaaagg gggggcctga acaaaattta attcttagcc aacatacttt gtccaaaggg 300
 ggttgaacgg ggccattgca agggcaagcc atggTTTcat tttgccattg aagggcacia 360
 cggggggg 367

<210> 41382
 <211> 417
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910012b08d1

<400> 41382

aaaacaaaaa cttggggcct tttttttttt ttaaggaaaa gggTTTgggc aaaaatccat 60
 gacaattgtt ttacccttcc ggaaagaatt ttgtttcacc gggaaaaaaa tggaaaccg 120
 gctttctgaa accccaaaag ggccgtTTTT taaaaccaag ttgattttcc ctttcaaaat 180
 ttttttgga ccaacgcccc ccgtttaaaa gaaaaccgga aaaattcttt taaaaaagg 240
 ggggaaaaca aaccgggtg ccattgggg gcccgcccc cataaaagt ttcccccccc 300
 ctttTgtggc aaaaatgggt cagctTTTT tcccggtgga gcaaaccaaa attttgtgt 360
 tgaaggcccc caccattcaa tttttcccag ggcaaaaaat tccccaaaaa aaccaa 417

<210> 41383
 <211> 575
 <212> DNA
 <213> Glycine max

003220.032200

<223> Clone ID: jC-gmro02910012b09d1

<400> 41383

atgttcacaa cttcacataa agctccaaaa gtaccggaac aaggcaagtt ccacgaaaag 60
aactaccata cacagagcac gaggaaaaaa aaaacaacac agacaaagta acataacagt 120
gcaaacttct aatcaataat cttctccttc atcaccatct tcttcagttg cctctgcacc 180
gacttcctca taatctttct ccagggcagc aagatcttca cgagcctcag agaactctcc 240
ctcttccata ccctcaccaa cataccaatg aacaaaagcc ctcttggcat acatgagggtc 300
aaatttgtgg tcgatgagag agaagacctc aacaacactg gtggaattgg agatcatgca 360
cacagccctc tgaaccttgg caagatcacc gccaggaaca acagttggag gctggtaatt 420
gattccacac ttgaaaccag tggggcacca gtcaacaaat tgaatagtgc gcttgggtctt 480
gataattccc acagctgcat taacatcttt aggcacaaca tcaccccggt acatgagaca 540
gcaagccatg tattttccat ggcgaggatc acact 575

<210> 41384

<211> 497

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmro02910012b10d1

<400> 41384

aaagactgaa tttgttattt tttatccata ttataagaat aaagactgaa ttagttctac 60
aaagcaaaga aagaggaagc tgacacgtag aattacagtg gaaaaggaca gcagagaaaag 120
ggagaagaaa acttatgact acatttgtat aaacaaaaat aaacggttgg ataaactgca 180
ctaagccgac cgtccaattt ttggccggaa tctgaagcct aatttttccg ggcattgcgt 240
ttccaagctc ctgcaaagaa aagccctccc caccacggaa aggccctttt cttcatactg 300
gctcgaattg tacttagaat aatccaatat ttatcacaac agccttttgt atcaatgact 360
ctctggtaac cgccatggaa attcacttgt atctattcca gcttggtgaa gctcatcaac 420
atactgcaat gcctctcggc actcttctcg atcatcaaag aattcctttn tatcaccttc 480
tacttgatat gtttcat 497

<210> 41385
 <211> 529
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910012b11d1

<400> 41385

gacatataat caagtgttat taatgatctt aaattaaatt taaaaactta aatacatgtc 60
 ttgtaaatat tgatcaagac catagacagc agaacaacca aataatttct ctaccaggtg 120
 acccaaggag gggaaggaga aagataacac aatgctatat gaaaatgttg aaccctgtcc 180
 gaaactaaca tgcaaatgtt ccaaccaagc aagttaaatt cacagggcaa atttatcagc 240
 ttacaagagt taacttttgt taagtgggcg gctcaagatt gtattataca acttcaaaat 300
 aaattatcta atgtatcttg catatataat aataacaaga aacttgtaga cagactgac 360
 tagaaacttc tgaaaggagg gaatacacag aagttggaca ttaattacca aaaactgcag 420
 gtcaaagtct gctttaatca gttctgatga gcagatagag cgaaattgga gacattagt 480
 tctattgccc aatagaattc tcatgtagta atacatattc tcgactact 529

<210> 41386
 <211> 498
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910012b12d1

<400> 41386

cgcttaacat gggtacatta atacatatgt aatacatgac aacaacataa tcactacatt 60
 atgatgccat taaggtagat cacaatttca aacatagaga aatacattgt aggctgatat 120
 agtacatcag atgcaatatg gaaatgccta cttatttaag gacacactaa caaataaaga 180
 cttaagtaac ctatttggca aaccagagaa ggtggccctc aggaagatg tgacacactg 240
 gagcagctcc aggcttggtt ttaagcattt gtaaaaacac atggtttgga tcccattctg 300
 atgtgtcttt gtggcataca gctgcagctt taactctggt tccatcttct cctccaaag 360
 gcataaaatg cgcagtagta tttgatatct catgacacat aaacacaaca tatgggtaat 420
 ccataggatg acaaacaatg accttatctt ctgctaacaa cttcactcca tctttcaccg 480
 agaattttgg ggacttac 498

<210> 41387
 <211> 370
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910012c02d1

<400> 41387

ccaaaagacg cttcattcat acaatcaata tgatccacgt caacatgggg ggaacttttg 60
 gggacaagtt aaaataaaat ttgaaataaa tctaaacttt tactaaagct tgactgcata 120
 aaaaaataa aattctaact tgggggggggt tactagtata attgaagaac tcctgcgact 180
 aaaagctttg gggtggggaa ataaatcttt gggacatttt gcccaaaagc ccttttttct 240
 gggagaatca tttttcaata aggaccggct tcactttgat cccaaaaaaa aatgccgcct 300
 caggaagggt tttccaaatg aactcctaact actggagcta ctaggctcca tttttgaaac 360
 tatatttttt 370

<210> 41388
 <211> 484
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910012c03d1

<400> 41388

agccaaccaa aaacaaattc aagcatttat cttttaaaagt attttcggca ccaaaaatac 60
 aagagctggg gaagcttttc tcaacttcca cctggtataa aaactttaag actccgctta 120
 aactacacta ctgctcatca ttcatgtcta cgcaagaaca tctctagagc tcgtcatgag 180
 aatcaccatc ctctcgctt gatgcaccac cacctggggc tccacctgat ctctgatata 240
 gcactgatga ttgggttgca aacagcttcc acctctttga gcttctctc atattcttct 300
 ttctccacac tctgggtgtc atccagccat tccaatgctt cttttactgc agtctcaatt 360
 ttctcctttt catcagactc caacttgtca gcgagcttgt ccttgtcacc gatctgggtt 420
 ttcatgttgt agacataggt ttcaagactg ttgcgagcat caatcctctc cttcaccttc 480
 ttgg 484

<210> 41389
 <211> 302
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910012c04d1

<400> 41389

aaaaattgaa aaaatttaag tgctcggtt taagggtgtt ggatcattgg atagaacaaa 60
 gaacaaaacc gggaaagaga gaaagttctg gggggggaaa aaaagggcc actaaaaaaaa 120
 aaaaacaaaa cggggggggg gggcggtatc gaaaaaaaaa aaaaaaaaaa aacgcacgaa 180
 aaaaaaaagg gggggggggg atgttgcgta aaaaaaaaaa gaaccacccc aacgaaggcc 240
 gagcaaaaca atgttttcggt gtgggggcaa gaactgcgca aaaaaaaaaa aggaatgggt 300
 tt 302

<210> 41390
 <211> 544
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910012c06d1

<400> 41390

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 ctcatataatt tagtaaaccg ctatatctac ctggaatata aatacgtata aagtagacgg 120
 acgttccagt caaatTTTTT cgtagaataa aatgtatgcc tcacagcgaa gaacttcac 180
 aagggaact tcacgcacat atgcatcact tgctgatac catgtggaac cctcattctc 240
 tttatcacc ttccacagt tcctctggcc cctctcaca tacgcaacat agtgaccccc 300
 tctcatagtt ccggagtgt cactaagcc aaccaagtgg tatgcatact tctcttcatt 360
 tatgcacctg ggatcaatat aggttcta atccattgtt tctctgaaat tgacatggcc 420
 atttaattta ctttaagcgc caccggcacc ttggctgaat ctcttcaagt gaatgggtcaa 480
 gacaggaggc gctctataaa tgaggaccct cttagttgca tccctcttca ctttcacact 540
 tttg 544

<210> 41391
 <211> 488

<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910012c07d1

<400> 41391

gatgaagggt cggcttaaaa ttgaattgat gggtaagact gcccgaattt gaagcttttc 60
caatcaagat ccaaatacatg caacaacaaa aaaaaaagca actttttttt tccttctttt 120
tctctctctt tatcgaaagc ttaatcacia aactaaaatc acggacatta tttataaaac 180
tcaagtgcga caaactccaa atgagaaaga aaaagccggt tcctccattt ctttatccaa 240
ctctttatcc tcagtttact cagcagcaag gggcacagac tcagccaatt tgcggtactt 300
gagagcatag aacatcttga gatagcggcg gctctcacgg cggtaaggt tagacacatg 360
cttcagaag ccatagacac cggtagagat gagaagcctc tgagagtaaa tttgccatgt 420
gtacttctct tcaatacgtt ggagaccagc ctttgagatc ttggcccagt gagttgggtc 480
aagcttgc 488

<210> 41392
<211> 410
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910012c11d1

<400> 41392

caaaaaaagg ggggcggggc ccccttttgg aaaacatatc ccccaaccc ttaggaattc 60
cacaattgga acccgacat aatgggcaa aaaaattccc caaaactaat ttttccaatt 120
ttaactataa aaaaaaggga aaaagccttt cccggggttt ttcaaaaaaa attatccaag 180
ccccctttc ctaaaggcct acatattttg gggataaaaa ttcagttcca atccttaagg 240
gaaaaccaa aaaggaagca ttggggacgg ggcccgcaa aaaaaaagga aaaaaatccc 300
cccataagg ttactttgga gggggttttt tcctaaacgg ggccataaaa aaaaacaaaa 360
ggggggaaga cccctccaa aaggttaagg agccggttaa gcccacaaacc 410

<210> 41393
<211> 483
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910012d03d1

<400> 41393

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aattaaaagc tcatattcaa atttatgaga gccctatttc ctcaagggca ataaataaat 60
aaccaaggat aacataaata aaggacaaat gagatgaaga tactaataat ttccaaagag 120
aacagcatac aatatttcat tccaagcatc aggaacacca gccagacacc agtgactgca 180
gtcatcaaaa gaagtgccac gccctgtgta gatagagggg tgaccatccc tcctcagttg 240
tgtgagcaga gtgatgtcta gcaattctgc aggctttgcc atgttactta taacgctctt 300
cacaatgtcc gcaccaggat atggtggcat tggctcttca tctggttgag tttgccttag 360
gcaccctttt ttatcaacat gggaagcagc gattccctga aacaagactc tagtctttga 420
aggatcaatg ttagaatcaa ccatttagc ccaagtactc agcccaatct tgaaagcttc 480
cat 483
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<210> 41394

<211> 501

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910012d04d1

<400> 41394

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aaaagatata attgacttaa aacattactt attttacata attgtgtgtc ttcgatctat 60
atttttcatg atttcggcat ttgagactct tggaagaatt ttcttattac aagacataaa 120
atcaactttg tgaaatcacc ataagattga acaaaagtga ctcaccatca atgcatcgcc 180
accattacc aaatatagcg aggtgaagc acccacctca aaccatttcc catccttcaa 240
tttgaccctt aagccttcta ctttctgatt caatatagtt atgaaagctg tgtcagaatg 300
aggagccact cccaaattgc tctcaccac ttgggggtatt ctgtatttgt aggctcggag 360
cacatactcg gttgattcga gtaaagtgtc aaatttcttt gtctcgattc catagtcttc 420
aaacaccatt ctcttcacaa tgtgggtcaa ttccactagt ttctttgcat aggaattgac 480
actttcacag aaatgggtcat t 501
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<210> 41395

<211> 424

<212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910012d06d1

<400> 41395

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agagcaaaaa ttcttctttt attactaaat attcctgaaa tgtaggggcg tgattttcac   60
cagcccaaga gaggatacat ttgttttact caaggaaaaa aaagtcgggt aatgtcatac  120
cttcccacat ctatacatca attgggtgct tctaattgtaa tttatacaca aacatgcccc  180
taaagaagag cattaccctg ttctctcgaa gcatactctca ttcttcgcat atgatcgctc  240
acacggggaga cccagctgga aataatgacc ccccaaatag cattgttctg gggatttcat  300
gcgttcggaa gagtacctgt cctatcactg ccaagaagga gaaaattggt ttgcaatcaa  360
atgttgtaag aggggcttta tggaacccat cctgaaggag agcatcttct gctgttatac  420
tggtt                                             424

```

<210> 41396
 <211> 95
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910012d08a1

<400> 41396

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aaaaaaaaaa aaaaaaaaaa ttaaaataaa aaaaaaaaaa aaaaaaaaaa aaaagaaaaa   60
aaataaaaaa aaaaaaaaaa aaaaaaaaaa aaaag                                             95

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<210> 41397
 <211> 495
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910012d10d1

<400> 41397

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aatgggaaaa atggaattaa acttttacta taaaagtaac agtaacattt tctgtcataa   60
aaaaaaagga acataacgta gatttttcca tcccttaacg ctgtttcctc tcattttctt  120
ccc aaacaat tcattaacac ataagaaaag atataaccat gatctataaa taattgggaa  180
ttcactcctg gtataaagaa aatgaaccag ctgcctaata gggcacctga tttttttcat  240

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gcagttcacc agaagtttca tcactttttc tctaattagt ttctattatt ttctattcct 300
 tcgtatctgg ttcagaggac acaggtagtg aactataatc ttgtgttttg gggagggaaa 360
 agctacgacg ctctttcccc cctggcttgg aagaagcact gccataccaa accattcctg 420
 ctattgcgat gatcatgcct agaacaacat gtagattgag accctctttt tcaaagaaaa 480
 tgaatcctaa gatca 495

<210> 41398
 <211> 501
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910012d11d1
 <400> 41398

gattccatag tcaactagtg aaagatttga aaagttgaag caggattcctt aacatcactt 60
 gcaaaactaa gttctgaaca aaagtgtca agtagcctac gttttctatt ctaagggtact 120
 ggtaatatatt acaaacaat gacatgtaaa atcacaaggg caattacaat tgaggggttaa 180
 tgacatagag ttagtataac aaagaaaaaa actttatatc ctattctcaa ttaagagacc 240
 tggccattga taagaaaatt ctagctgcag attcgtctta attaagaatc tatcaaattt 300
 tgccgttacc atcaaacact aaactgagga actgaaatgc gttgctttct catccaaggt 360
 tagcaactgc ttctggacca cacaaccgct ccaactcttc cttgatagaa ttattttctg 420
 atgtaagctt ctgcattct tcagaaagtc tctgaagctc atctctgaga gtttgattct 480
 cacctcccag cgactccacc c 501

<210> 41399
 <211> 501
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910012e03d1
 <400> 41399

gcaaaatcta atttggttaa ttgattgaaa gttttggttt acttggtactt cattctctgt 60
 attttgattt ccctacctct ggcgataaat ataaccgcgg tgtgggaaat caaaaattgt 120
 atcgagtaag atgatactga agtcatacta gtaagggtgt gtataactca atgaatgtag 180

tgggttgaaa gaagcaatag tagtatacat aaacttgcaa ctaaaaggct aaaaggaagg 240
 cacaacaaat acacagacaa gttaagagaa aagatatgct aattctttgg aatgttcttg 300
 ccgacaatct tggttgaggt tatecttaga agattgcctg gcttaccagg gacagcacct 360
 ttgatcatga ccacattaag atctttatca atttttataa tcttaagctt tcttatcttc 420
 ctcttggttc ctcccatccg gccaggcatc ttttttcct tgtacacacg accaggtgtg 480
 gttccagcac caattgatcc t 501

<210> 41400
 <211> 491
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmro02910012e05d1
 <400> 41400

gaattgactt attagaatgt gtatttataa cacttaatca aaactaaact atggtaaagc 60
 gtgaaaaata ccattgccta attacagtta aatgaatttt aaccgttcac aaaactgata 120
 cacaaagtct tcttaattgc taataggtcc tacacaagtt tgtaattaca caacaataat 180
 ataaacatgt tcaagcaatt ttccatccgc ttctgaagca gtcactttct tatatctcgg 240
 gtgcagactt agacttatgc acatactcgt tgatacatat agacagagat tagtttgagg 300
 tttcaccagc aggcccgtgt cttgcgttca acaaagggtg aagagcttta actacgatgc 360
 tcatgtttgg tctgaaatca gcttcgtatt gcacgcacag ggcagcaaca gcggccatct 420
 tatcaacagc tntgggcagg tactctcttc ctagtcttgc atctacacac tgtctgactt 480
 tatectcact g 491

<210> 41401
 <211> 272
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910012e06d1
 <400> 41401

aataagaatt gggtcattgg aggggtggaa cctcactccc tcttagagaa cgaaaatgct 60

gtctactaaa aggaaagcag gtcttttcaa gtcattat ggcgcgtgta aatataacaa 120
 ggaggctttt gattgaacat ctccaacctg cacatctgga aaagaccatg gatttattct 180
 agcccatgg ggctgaggtt acaattttgc cggagcctgt tccgcacca actgaagatc 240
 cggttccct gcattatcca ggtgagaaga ct 272

<210> 41402
 <211> 571
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910012e08d1

<400> 41402
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 tatacagacc acgtagaagc ttacttccc cttaatttga ctcatttaac caagtgaatc 120
 aaagtttgaa atcttcatac aatctaagcc gaaactttca agagcttaac tcgacatggc 180
 ttatttacac caccgcaat atgtacatag aaataaagtt gaatatacag aactattcaa 240
 gaacaaacga aaaaacgtgc aaaagctttt catgagtaga ctaaatacta tgccgtccca 300
 acatcaagca aaatagttga acaaactcaa ccaaacagta ccgctgatga caaacaatt 360
 taaatgtata aaatgcagaa gcttgtgcga agatccatat aaattgcagc ttttggtgtc 420
 aatccatggt tatatgtatt caagacatcg tactatacat accacaggta taaaaggagg 480
 gcctcccagg acccacttcg agggggatcc tctcttgaac ccggaaaaaa ggatcactca 540
 tgagccctca taggcaggga taatgaataa t 571

<210> 41403
 <211> 485
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910012e09d1

<400> 41403
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 aaacaaatgg aattctatta cattatgaat tacaagttcc ttgcatggca tacatcaagg 120
 aaaactggga agttgttgta tgtggattga ttgcccacag cttatatag acaaaccaaa 180

tgcttaatat caacacaaac acgtgtacag aaaagaaacc actcttcaag aaaacagaaa 240
 ataagaaaaa ctaacatatt ggaagaggtg cccattcca ctccccaagg cattccaaaa 300
 gtggatcaat gatcttcctt tggcaciaag cagtgaacac tttgtcacac tcttcacccg 360
 gtgagataac cctttcacca gtttagcaatg ctgtcccaa ctctctctc acaaacttgt 420
 acaaggggta agacctgcat tccttgatct tgtttgaat tgcacattgg tcattctcat 480
 atgca 485

<210> 41404
 <211> 442
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910012e10d1
 <400> 41404

ggcccatgac gcaacacatg caccaccta taatcataat ttacatttt tacatacaaa 60
 atacaaagac tttaaattaa aattaaaaaa aaaaagataa accgatcatt ttggtgaaat 120
 gaaaccgaaa ccaaaaaaca ttggtttgat ttttttgggt ggtcccaact tgattaaaca 180
 tgaacggttt gattgaatca cttggacttg aagggaatgg ccctgattac cacctggtgg 240
 taaagtgctg caagtgcaac accaatgaaa gggcccaccc agaagatcca gggatcatcc 300
 caaccaaggt ccttggtgaa gatgatagca gcaccaagac tacgagcagg gttgatacca 360
 atgccggtga tagggatggg tgccaagtga accaaaaaca ccggaaccc aataggcaaa 420
 ggtgccaaaa tggggacgtg ag 442

<210> 41405
 <211> 507
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910012f04d1
 <400> 41405

acaaattgaa agggagaaca cactttatta tatgaaaacc gagagcattc aaatacaata 60
 gtgcagaagt tcaggcaata attacgcata gacatgcata aagtctatgt tattcagaag 120
 tacaacatag ataaggaaac caciaactct ttttaattag atagagatac tgttgggaat 180

tcctttgaaa gtcaaccctt cctcacttga acgatggagc aaagtgtatg gcagctgaac 240
 tggcccagtc cggttttctca gacttggatc actgttcctt gcattgattt ttccttcaat 300
 tccagtcagt ttgcttccaa accttttgaa agcttctaata gcctttcttat cagtagtcca 360
 atttggagtc tccctctctc caaggatatat ctcatcagaa gcatgccttg acaatatctc 420
 tatcactgaa agatcaataa gggctcttaa cttgggtgtg attgggtctca gataagcctt 480
 ttgaggattc ttcaccaatt catcata 507

<210> 41406
 <211> 341
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910012f05d1

<400> 41406

gcccccttag aaggggaatg aataggagct aaggtgagct caactatggc acagcgtcag 60
 aaaaacaatt gcctatttaa tgttaactgc aggtaatccg atctcgacgc tgaaacacaa 120
 aatctacact aaaagctcac atgtcctaca tacgtttggt atgacacatc cttaaataaa 180
 tccaggacaa gcaattttcc atccgttgcc gaagcaccag cttcctgatt tttagggcgc 240
 acaattagac tttggcacag actggaggac gcatatggag ggggatgaag ggtgtcccc 300
 acctggggga ccgtgtcttg gggaacccca tggttgggga g 341

<210> 41407
 <211> 433
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910012f08d1

<400> 41407

aaaacaaccc ccgggggttt ttttagcaaa tcgatcatca caatttccca caaacgggc 60
 taaggttaca tgcctacctg acccaacaat tattaacggg cccccaccc caaatcctcg 120
 atcaaagagt tgaaatcggg ggaaaaaaaaa ccttcttctc tcacaaaacg ctttgccatt 180
 tgagcaagcc tttttgctct ggtcctaatt tccttgggct cttttccaac catgaacctc 240
 ctcacagcct ttttaaccgg gttctttttt acaggggccc ttcccattat cccaatccac 300

gtttgaaccc ctaccctccc cccaatttta actatggccg gcaaaaaactt aacattggaa 360
 aattgctttg ggaacattgg ccatgtcacc attgggaccc ctgcacaccc cccctccaat 420
 actgagttcc acc 433

<210> 41408
 <211> 506
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910012f09d1
 <400> 41408

gaaaagaaaa gtcgcataac atggttacat taatacatat gtaatacatc acaacaacat 60
 aatcactaca ttatgatgcc attaaggtag atcacaattt caaacataga gaaatacatt 120
 ggaggctgat atagtacatc agatgcaata tggaaatgcc tacttattta aggacacact 180
 aacaaataaa gacttaagta acctatttgg caaaccagag aagggtggccc tcagggaaga 240
 tgtgacacac tggagcagct ccaggcttgg ttttaagcat ttgtaaaaac acatggtttg 300
 gatcccatc tgatgtgtct ttgtggcata cagctgcagc tttaactctg gttccatctt 360
 ctccctcaa aggcataaaa tgcgtagtag tatttgatat ctcatgacac ataaacacaa 420
 catatgggta atccatagga tgacaaacaa tgacctatc ttctgctaac aacttcactc 480
 catctttcac cgagaatttt tgggac 506

<210> 41409
 <211> 454
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910012f12d1
 <400> 41409

catatattat tattatactt cacaatcagc atttctttgt tcaagactga taataaccat 60
 taaattattg tcattgtaac aatcgaaaa cgagggaag gaatagaaga aaacaatgaa 120
 caacccttgc cagttagttg caccaaccaa caaggacca accatagtag caatcaaaag 180
 gtaaaaagag agagagacca aatcctacta agaaaagcat aactgttcct ttccatccaa 240
 agggagaaag catgcaggtt ttgctcatgg cttccacaga atggttgtgt ctgcaatcat 300

ggaagtaacc acgtatgggt ccatgttga agctggcctt ctgtcctcaa aatatccctt 360
 ccctgctttc tctgtgtctc tcccaaccct aacagaagct ccacggtttg caactcccca 420
 taagaagggtg ttgatgtcag cggtttcgtg gcgt 454

<210> 41410
 <211> 500
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910012g02d1

<400> 41410

aacaaaaaaaa gaatcaaatt tctaaggcct ggggattgat aagaaaactt gcaatgactt 60
 ttgtacaagg aactacgagt taaaatggta cagaaataag ttttatacat gtcaaaacaa 120
 tgacccatca tacccttgggt actttttcgt cccagttaa ccatctcgtc agccagctcg 180
 gatcatcaac atagaattta caagatttgg gaataatccc aaggtcagca ccaacttgggt 240
 catactcctt tagagctgct tccatttctg ctgcaacgac agcatcatta acaatttcat 300
 atgaactcgt gcttaaagca tctgcatagt gttgctcctt ctcagggtca ttttgaaaa 360
 gttccaaggc aggtccctga cataactcag cataatgttt atatatctca ctgctttcat 420
 cttgatcgcc gaggagacta cctccatacc aaccgttggc ctcatttggt gaggtcattg 480
 taaggtacct ttggaaaaca 500

<210> 41411
 <211> 323
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910012g04d1

<400> 41411

ggaatactaa ttatgattgg cattcttggc agggaaacata caattggaga gaatgagtct 60
 acagtctttt ttttttatgc agacaatttc ccagaaaatt gaatgaagca aagattcaat 120
 tagcaaacca cttttcaaac caaaggggag caaaaatttt gactaacaga aaaatagctc 180
 cacattgcaa attctaaaat tatcccaaat ctgaccatca tcaattagtt agtccataa 240
 tggcagcaac aatgtcgcca ttggcagctt tgagagcctt aacagctttt gatctcaaca 300

caccagcttg agtcatcacc agc

323

<210> 41412
<211> 613
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910012g06d1

<400> 41412

aaagtaatca cattttaaaa tataggaact atccacaaat atatagcacc caatctagcc 60
catcttcaat tggaaaaaca caataaacca acagtgtgtg gatttttaca tagtttgaac 120
agtatgtttt agctagcaaa gagagttcac tagatataca gtaacaaaat cctgaatgaa 180
tcacacgaga cccaaaaata aaagacaagg cagttgaaca cgtaacatta ctcaagcaga 240
accctcttct ttgtttgact cttcttctt ttggttagca ggggccacag gtgatggagt 300
gctctccact cccatctctg atcttaaate attgatgctt tgctccaact catttatacg 360
gtctcccatc tcatcaagtg caatgacgat gtcaagaaac acattacttg agcaatttga 420
accaataatt atgtaataga attggcatcg ttgcccaccc ttggttagcc aacatatgac 480
aacttgcaca ggtggatggc ttgagtttat agatgtaact gtgtgcagaa atataaacca 540
cctgagcttg tgggaaatat gccattgttt atatgttaaa tttgattcta ttatatagat 600
atgagttgcc taa 613

<210> 41413
<211> 444
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910012g07d1

<400> 41413

gctgaatctt tcaacaacta aatctttcac caatattata taataatata agacaatcca 60
acagtaacat gtaaccacaca agaaaaagaa aaaaaacaat ttttaattta caacataaat 120
tacattatcc atgagactat aaatgcttga gatcagaaca agaatcatat attctatctt 180
tgaatatttg acatgcatgc tataacatca atttctatca tcataaggca aataactata 240
atattttaaac tataaaattt gttagtaagt tttgtctctt gcagtcctcc tctagtaact 300

cgtaggctttt cggttccatt tgcaaacact atactggaca tactgcattg ctgccatttt 360
 cgtagcagta aagaattggc tgcaagcctg catgtgatct caaatatatg tattctccct 420
 caacacctta tatacaagta tact 444

<210> 41414
 <211> 553
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910012g08d1
 <400> 41414

cattccaaaa aagttgtgtg gccatcgcat tcaattaagt aatgttcata tgagctacac 60
 aatatggtat gatgaatggt tggttattta caaagaaaga aggatgaatc tgttttcaat 120
 gcttatgact agatcaatcc ccactgtaca gcaaaaatat tggccctacc aaaagagtat 180
 tagaggaaaa tgatttaacc atgttctccc cttgtacttc atgcagactt ggaacttctg 240
 tatctatggt catacagcaa gaatgaagag gaatgtggat ttcggatgac aagatccatc 300
 ccctgtcaca tctgattatt gctgagcatg gacgcattgt atgtgctctg gattataggc 360
 tcctgcagca gctgagattg accaggagaa tcctgttggt tagaaaagat gtttggtggt 420
 tgtaagggtg tagaattaga ttgatggtcg agcacacgat tactctgttc atacatgcag 480
 tgaaccactt gattggctta aaaccgtaca aaccctgcag aatgggattt gtgttgcaga 540
 atgagatgaa aca 553

<210> 41415
 <211> 521
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910012g09d1
 <400> 41415

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 caaggcctta tgtttccaag tttgagaggg gagggggact atgacgatat caatattcat 120
 gcaatcaatg gccatatctt acagaaaaac accaacgaat atcaatttaa cccatttaca 180
 aaacacctct ctaacagcaa aggattttatc ggatgttatt ttccagcctc caatcttcaa 240

093113.032200

aatgccaacc acacccatgg tgagggcgct agcaaanatg acacctgaga ggatgaaata 540
catga 545

<210> 41418
<211> 498
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910012g12d1

<400> 41418

aaggcacatc tgaattgata ttgtttatct taaaatacat gcccaactac agtactgtaa 60
aactgtagat gtcccaggat gactgaacta ttaccaaact gttccactgt agtcattatc 120
aaggaattaa aagtaaggct tcttattgag cacagagatg agcaaagcca catgccaact 180
cgtgcagcat gtgttgatat ttgagataac aatgggagct ctccaaactt acaggaaaca 240
aaagcagcca ttctctggaa aatcgcacat aaagatacca taagagagaa aaaaaaatt 300
aagccttggg aactttgtct agcaaaacat tatccggaac gttaagctct gcaggagttt 360
cttgaacacc acctagcact gaatgatatt cctcaccacg acgagcaaatt ttcttgtaaa 420
gaacttttac aaattcagtc tcatcaagtc cttttgcatt ttcagcagca tgagcctgag 480
ccaaattaga atatttta 498

<210> 41419
<211> 470
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910012h07d1

<400> 41419

gacaggaaaa aaatgaatct ctgcattttt ttaatggaag ggcaactttt gcagatgctt 60
tgaatccttc attggaaatt gcatgcaata tattttattc taccttcata ttaaaatacc 120
tggtccctggg aaattcaaca gagcaaggag aatcacagag tcacagactg aaattgaaga 180
ggcaaccaag tttatgaatt tgattatgaa attataacca attgcccagc ctcaaaaagcg 240
gattatgggt caatttgggt attttcactg ttacaacctt ccacaagtat tctcttcata 300
tgatcaacta gtccttgaat ctgctctctt gaatgaaggg gggatggata tatacaagcc 360

caatccaact ttccattccg tatggggtcg aatacggcaa tggatggacc aacaccatga 420
gcagaagccc aacctacata gtcttccaat ccaatctctt catgcatttt 470

<210> 41420
<211> 430
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910012h08d1

<400> 41420

gaaaaaaaa aggaaaaatt ttttttttcc acccaaaaaa aaacgggggc cccccccccc 60
aaaacccggg gaccccggcc aaaaaaccat cccccaaaaa accccgcccc gggggggggg 120
ccatttaaaa accaccccc caaaattttt ggggtcccc cggggccacc ccccgggggg 180
gggcccaagg gggggggtca cccggggggg cccccccaa aaaaccccc gaggtctggg 240
ccttttttta taatttaaaa aggggcccc cgggaatga agggaaaaa aaaaagggg 300
ggttttaaac ggggggggca aaaggggaag cccgcccc caaacgggg gccttttaaa 360
acggggtgtt cccaccacc cgggccaaag gggaaagctt aagtttttca aaaaggacct 420
cctgtggggg 430

<210> 41421
<211> 530
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910012h12d1

<400> 41421

agcaaataca tcggatgcat tattccaaag atcaccgaca aattaggcac ttgtatatgt 60
ttgttattac agaatatgaa tccatattgt tacatgaact tgaaatggca acttctagct 120
actaatacca cctaaatcta ggtaatctcg ccaggcaaat ggtcctagac ttgccaaaaa 180
ctaagagcta gtagcttaca agagataaag agaacaatga gttgaagcat catctcatct 240
tgaaacctgc ctggcttcta tgtactgaag tctcaaggta actgctcgct tgtgggcttc 300
aaggccttca acttcagcca tggttgctac atatggcca agccttctta gaccttcctc 360
tgagagagac tgcacagtta tgtacttcag gaaggagtcc aatgacacac caccatacat 420

tcttgcataa ccgtaagtag gaaggacatg gtttgtccca cttgcataat caccaacact 480
ctcaggagtc caaggcccta aaaacacaga acctgcattc tcaataaact 530

<210> 41422
<211> 452
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910013a02d1

<400> 41422

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gtttagtccc ctaaaacacg agcaagttat tctgggtgtc gtagcccaac ttctccaaat 120
tcggctggac tgcaaattga atcataggtg gtggtccaca agtcaatgcc aaggtatcag 180
gagatgcatt tggaatatgc tccgtcagga tacttttcagt gatgaatccc aactgtatt 240
cccacccttc tcttatgctt tcttgtgtca cgtaccacac cttcaaccta tcatacttct 300
tagcccactc atcaagctct ttcttcagca atatatcatc ctcggttcgg ttcgcgtaaa 360
ccacatgcac ctcggtgcag tcctttggat cctttagaat ggcttgaacc acttggtaaa 420
tggtgtgat tcctgtgcca ccagccaaca tg 452

<210> 41423
<211> 380
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910013a03d1

<400> 41423

cccaaaagaa atgggggggg ggggtaccacc acactttttt ccccttttcc atgggtaaaa 60
aaaaaggggg ccgaaaaggg gcggctagcc tttcttttgg atatttttac aacccttatc 120
ccgaaaaatt ttttcaaccc cccttccta ggaaattttt ttttaaacia gggggccggg 180
gggaaaaaat aaaaaacccc tggcttttta attttcctac gccctaaaaa cctctccggg 240
ggggtttaaa aaatcttatg cccacctttt gggggggcca cttttttaaa accaaaccaa 300
aaaacttttt tggttaatta aaaaaccttt tggataaaaa tcaaacacac aatggtccca 360
ccctctgtga tatttttttt 380

<210> 41424
 <211> 354
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910013a04d1

<400> 41424

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 gtttctcccc cttttaacaa aaaccatttg caacaaaata attgggcca cccctttttt 120
 aaaagaaatc aaactcccga taattatcaa aaccttttgg atatgctttg ggaaaagggg 180
 taacagcctt tcccccccc cttgatgaag ctgggggggg gtttttttta aaacttttcc 240
 cccttgggga tcccgggggg gggagcacat ttgatcaatg cccactttaa cccttaaaaa 300
 aggggggggtt gtttgatctc aaaaccccct ttttattaaa ccaactgggg gggg 354

<210> 41425
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910013a05d1

<400> 41425

cctacaattc atgtatcaag ttogaattat aatttacata attattgcaa gcggtggata 60
 atagataaag tagagttaa aatgcaagaa gccaagaggc tcatgacatg aaacggtgaa 120
 cagagatgaa acttgaagga acacacaagt gaagttgaag ctcaagggtg ggtttcagag 180
 gctgggacag gggcatagga accaatgaag acgtcttcat aaatcaagcc agccaaacct 240
 cttcaatca atgggccaac cc 262

<210> 41426
 <211> 415
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910013a06d1

<400> 41426

agtaaaaatc ctgctatgca ccagtaaata aagattatca tctgatgacc tgtgaattaa 60

aatgaaaaat accatTTTTT ccagctaaat aaaagataag gttaagTTTT acctagcaca 120
 ttatctacat atgtttatag tctgcattgc atgtaaacta tcagctacag cttctgctcg 180
 ctatgtagta tccaccttcc gaaccattca gtttgacatt cacaactgat tccagtgcct 240
 gggtatctta atttccacga cacatcagct aatgttctgg agatgactgt cgttggtctg 300
 ggggctgtgg ccacatttga ggcgccatgt aatggtgaga ctgttgacat acatgtttga 360
 gtccatcaca ggcttaccga gattcacacc agcagctttc acttgagacc gatgc 415

<210> 41427
 <211> 492
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910013a09d1
 <400> 41427

ggaaataaca aaaatgcaca cttttattga ttgcatcaga tattgcttaa atagattaag 60
 ttaaaaaact gaaaaactga aaataacaac taactagcta aacttcagca actaagctta 120
 agctgctaag ttactcacac ataacaatca gacaacctaa caacaaactc cttaaaactt 180
 ggtaaataat taaacataaa aataaaaaat aaaaaaccaa agctactgat gcatacattt 240
 gcacacgttc aaacaatcac aaatagattt acaagaaaga aatgaatttt gcacataaac 300
 tcacaacaaa ataattaata caaaattaaa gcaacttttc tccaaagtct ttaatctctc 360
 ttctccaagt aagaagaatc taggcccaca ggataaagat ctgctacaga agtagatgaa 420
 gctgtccatg ggtcttctt tgagttactc agctcttggt aatacaatct cattttctcc 480
 attttcttct ca 492

<210> 41428
 <211> 468
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910013a10d1
 <400> 41428

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 atgacttaag catacacaac tgattaagga atctggttcc ttcaatttca cattttattta 120

aaaccaggaa cagtacttaa gcaaccatag ggtccttaga tagagatact gttgggaatt 180
 cctctgaaag tcaatccctc ctactagaa ggatagagca gagtgttaagg catttttagct 240
 ggcccatagc ggtttctcaa tgtctcatct ttgttcttct ctataagctt cttttcaatc 300
 tcttcaagct tctttccaaa cctcttaaatt gcctctaattg gaccggcatc agaagtccag 360
 tagtcaccac catctctctg cccaaggtag aactcatcag atgcgtgcct tgacaagatt 420
 tctataactg taagggtcaat gaggggtctcc ttcttgccag taatagtc 468

<210> 41429
 <211> 419
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910013b02d1
 <400> 41429

caatgctaca atttaccaaa ttttcttcca caaaccttt tacaatgtat cctcttcaac 60
 aaaaaagaat gaagaaaaag aaaaagatgg ctacaaacta tgaattgtta gaaaggacaa 120
 acaaaactat ttctgactgt attacaatta cacaccctaa gcatagaatg aaacccatt 180
 tcacgtataa aatcctagat tctcttactt tttataatc cagtaagaga attatgacgg 240
 ctaaataacc tcagattcaa ctatagttat gacagcttct ttgcaccatt gggctgaagt 300
 gtaggacttt gtgcatgaat tattgccgca gcaatggaga aagactgtag tgcaaataga 360
 ggtggatgga aatgaatata atataaacca tcgggaacat ttacaatcc ttaaggggg 419

<210> 41430
 <211> 401
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmro02910013b03d1
 <400> 41430

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 gatgccatgc catgcatttc ctacacatcc ttagcaaaca taaagcttac ttagcacctt 120
 cactcattct ctattcagag tccgagtcca tgtttcccat tgctttcaaa cctcttggtc 180

tctttttgga tatcttcttc tccctaacct cgtatcggtc caaggtaaga tcgcacaacc 240
 atgcgccagg actaacgaga ttgaggggtc gttgaatgaa tttagctctc ttcttgggtc 300
 tctgaggcag ctttgagccc ttaatggcga gaaaatcttc ttcttctcc ttgttggnca 360
 aggcaatcac gaacttgggt ggccacaccg gcggagcagc c 401

<210> 41431
 <211> 522
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910013b04d1

<400> 41431
 agacataaac attatccttt taagtatatt gaaatatcaa tgaagcttat ttctgtttgt 60
 ataaattata aagcactcaa aaggtcttca tatactataa ctataactat aacaagaatt 120
 cacattgaaa gtcttatgtc taaattaaag tctgcgcctc ttaacaacca gaaaccagaa 180
 gggataagc aagatgatga tgatagcaag tatttgagtg aaaagcatag agctgggcac 240
 ttccatctgt tgaatgaaaa tgtggtctgc ggagaaatctt acttgttgaa tgaaactgtg 300
 atctgctgag gtgtttatct gctgaatgaa actgtgatct gctgaggaat ttgtttgctg 360
 aatgaaactg tgatttgctg ggggaatttgt ttgttgaaatg aaactgtgat cagctgaggt 420
 gttcacttgt tgattgaaac tatgatcagc cgagctgtct atttcttgaa tgaaattctg 480
 atatactgag gaagttattg gggtgacccc aaaccctttt aa 522

<210> 41432
 <211> 189
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910013b05d1

<400> 41432
 acacacagga gagaagagat ggcgacgagg gtggtggcgg aacagaagcc gaagacgaag 60
 attgtgtgca cgctggggcc cgcacgcgc tctgtcccaa tgatcgagaa gcttctgcgg 120
 gcgggcatga acgtggctcg cttcaacttc tcccatgggt cccacgagta ccaccaggaa 180
 accctcgac 189

<210> 41433
 <211> 395
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910013b07d1

<400> 41433

aaagatgaac aaatgaaaca tcactctggtg ttttttttat ttagcactat attattgaca 60
 aagaatacta aaacggacta ccaaggggta tcaatcaatg tgcattgtga aaggggtgtcc 120
 tctcaatgcc ataagactgc actgggcaac gaatatttga atccctgccc attccttggc 180
 tttgggtgga aaatgtcaca caaacatggg tgagttttcc ttttaagctga ggtaatccca 240
 ttctttccga ttaattgggg aaatagatag aaaattgact gaaaatcaaa atcattagcg 300
 agaatttctt gctgactcca accaaaattt aaagatgatc aatgattgct tttgtgaata 360
 cagctgtctt tgaactgcca ccgagatcag ctgtt 395

<210> 41434
 <211> 491
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910013b09d1

<400> 41434

ccatcataag taccgttttt tattttatac aaaggaagtt agaaaataca aatcgtttca 60
 acattttctt attaaaataa taaaaaaaaag cattgagctt tattcataaa attggagaag 120
 gaaagaatgc tactatgggt gtgcagtggg ttttgcatg ttaggacgga acttgcagct 180
 agttttgagg ttttctctg gcttgttccc ggcaaataca gcatccaccc acgcagagta 240
 gcctcccccc atgttaacaa tattcttaaa tcctgaatca agcagatcaa cggaggctcg 300
 gagtgatctt cctccactat tgcaagccac aatcaaataa tcctcagtct tgcattattgc 360
 tgccacctgg tcaacaaaat ctggattttt caccogtctt gcttctgtga tgaagacata 420
 ggggacatta tgagcattct caacatggct tttgttgaat tcctcaactg acctaacatc 480
 cagataacga t 491

<210> 41435

<211> 511
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910013b10d1

<400> 41435

agagtaaact cacaagtga tgcaactatt attaaactttc caagggttaa aaggcctgca 60
 ctctgcatga catttatata tgcggagagc acagcaaaat gcccactga tcacaaaaat 120
 atccattaaa tttgatgaaa atacagtaaa aataaaagga ctaattaata caagaaaaca 180
 aattgataat catagagcag ttctgagttc tacaagcaaa ttttaagcag aaatgctgct 240
 cagtcagaga agagacctat atgagagttg atcataagga ggacacgttc ccgtgtttct 300
 cagtttctcc ataataatta tgaatgaacg acaccaatct tcttagcaaa atcatcccca 360
 tcttcttctt ccatgtaatc ttctcttga ttttcacctt cttcaccttg ttcatactca 420
 tagtatccct cttaccttgt tcatactcat agaccgcac tctctgatca tcaccttcat 480
 aatactgatc ctcacccgaa tcatgtacac t 511

<210> 41436
 <211> 524
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910013b11d1

<400> 41436

aacacgttaa aatcatatct tattatctac atgtaattca acattaatta ttacaacttt 60
 ttaatactca aataggagta tcagcggcac gagcctctcc ctagtttcat tatggaaatg 120
 cactcaaagg aacttcatat ccatgcttga acatttgtcc caatgttttt aaaaccatgg 180
 aaatctggcc acggctcatg taagctttgt acattatcca taatgttttc tttgagcatt 240
 taagcttgac attttccatc tcttcaagga cattatgcat ttcgagtaag gtcactgtg 300
 acccatacat gactagctta caatgatata aggatcggca gatactccac ccagagattt 360
 ccgcacgtct cacaaaattt tctagctttt ctactgcatt acatcgataa taagttgcaa 420
 ttatgcgtct caaaataccc ttggttgtta tagaagtccc atgctcaa atgcctcattta 480
 tagcattctc cattttcgct accagtcttc ctggcataga gtta 524

<210> 41437
 <211> 521
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910013b12d1

<400> 41437

ctagtgtgta aaggtattaa atagtatggc tggatatcca tgaaacattt tccttaagaa 60
 tatctcattt tggacaattc ttatgtcctt taaggcaa attttccttc accaataaaa 120
 ttttgaccat gtgatgccac caactagggt gatcccaactg ttagacccaa ataaattcaa 180
 ggggtggatgc tcttgggtgga agaatgggca cataaaaaact tcacttttaa gttgtatcat 240
 tcacacctta gagcatcttc ttgggttttt atgcaagtaa cttaattcat gtcgcgtcca 300
 tcttaaacag gttaatgaat tttctctcta ataaaaattt ctattaacta actcaattgg 360
 ttctctctcc tatattta ataggaaattaa gtaaatcatg agtcaaaatt gttgatataa 420
 acaacttttt cttaaagaga ctcaaaatcg cacatatcaa aataataatt tttttggtta 480
 agttcattaa ttaattgatt ctcattatag atgatcttaa a 521

<210> 41438
 <211> 312
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910013c05d1

<400> 41438

gggaaaaaaaa aatggaagga ataaaaagg gctttaaagg gcccaaaata aacaaaaacg 60
 gctctccagg ggcaacccca ttgggaaccg gagggctccc ccgggttttt ttttaaacc 120
 cggacctggg gggggggcaa aatcccccaa atcaaaaaag gggggaaaca gattgggggg 180
 aaaaaaaaaa acaaaccgaa tccccggggg accggaaaaa aaaaattttt ttgaataaaa 240
 aaaaaaaaaa aagggtttcc ccagaggggg gggccccaag gggggggggg cccaacccc 300
 ccttttaacc tt 312

<210> 41439
 <211> 499
 <212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910013c08d1

<400> 41439

gaaattctga aatagtgaac tttgcattca aagttaactg aacattttct tagaaatcca 60
gtacattatg atagtgtca gatgacataa atagaaaacg aagacaagat gtggatggca 120
caaagacgac tagatagaga gccttatcta tttatatata gccttgctg aataaactac 180
acagcaggcc aaattttcat ttatgatgat taatgagtga ttgatgacta gtataataat 240
atatttttgt tctagggcaa ctactagttt ttgctatggc tcatactagc tctatatggc 300
aactcctagt ggggaaactt ccatctttgg tatgatcttc tctggttcta cagctttgac 360
ctgatttcca taagctgatg catgcactcc aagtgtgtcc ctaccagatg gatcaagggt 420
gttagaccaa gcagcatecc actctacagc tttggctgtg ctacatgcaa cacttgggtcc 480
tccaggaaca ctcagcctg 499

<210> 41440

<211> 476

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910013c09d1

<400> 41440

gaaatcccag caaaatgcaa attgatgaaa aatcattaat tacagaatag ctaatttttc 60
caaagaaaag catcatatga aacccatctt ccatgcagga ggtatagaga agcacaacat 120
caggtgaata caaactaagt atacacatca acaatgacaa tacactatct ataccacaaa 180
cccaagtcta gctcttgacc atacatcccc tggctgtgac ctgaagcatg gattggcttt 240
gggttttttg acctcagctc catctcaaaa agcctctgaa gtgcttctgg atgatttctt 300
ccaccaccaa catcaggagc ttgtaattgc attccagggc caccaaaagt aggatgctgg 360
tgaccactaa atgggaagcc ttggccttgc attgggtttg gttcctgcat gaagccagtc 420
attggattgc tagcatgaga tggcataggt gcacccttg ggaatccacg taataa 476

<210> 41441

<211> 512

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910013c10d1

<400> 41441

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attgattgtg tatggttaat taaaaggtcc atgtaaccag tagtttggat aaaccaccga 60
aacgtcatta ctggaatctg tcttaacatg gacaagtata cgagaaccac gtggaaaaat 120
agaggacggc caaatatcta ctataacaat caataacgac aagtacatta gcaaatatat 180
aaaaatccaa aaactccatc ctctccaca agaggcaaag tccaaaatag agctaattgt 240
cctaacaagg taaatccact ggttccagaa accgatttat tcagacctct cattttttgc 300
acgagcaaga cactaaatcg caactagaca agcacataat gtgtagacaa gcaactttgc 360
agtacaccac cttaaaaaga cttcttggca acgaatacaa gcaggtcaat gacacgtgag 420
ctgtatcccc actcgttgtc gtaccaagaa acaagcttca caaagttctt attcaatgca 480
attccagcct ttgcatcaaa aatacttgat ct 512
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<210> 41442

<211> 477

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910013c11d1

<400> 41442

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ggactatatc atttgtctgc caaaaatttg gttatcaacg agaattttgt attccgacca 60
gagaagaaag ggaaggacac aacaccaaga caaacttagc tacttgatat atcttcgtga 120
ctgttgtcac tgtcatcact atattcagga aacttggata ggtgccgagc atccaagcca 180
gtgatatact tctgtgctgc ttgaacattt tctgaaccct ttgttagctg gaaggcatgt 240
agcgcgcatt gttctgcagc aagactaact ggagtatttc catctttcat aactctgct 300
agtgaggac cgacaatagt gccgtgagac ataatggctg aaggatttgc cttggcaaca 360
gcttttatag cagataatgc tcttcttcta acttcactgg actcatcatg tgtggatgat 420
actagcaatg aaagacatct ttgtaaagaa gtgtgtcaga aggatccacc tgagatc 477
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<210> 41443

<211> 517

<212> DNA

<210> 41445
 <211> 309
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910013d05d1

<400> 41445

gtacaaggaa aaatcttgtc atttcagctg tcaaatttgt actcaaacac gtgaaaatct 60
 taaacccaaa agaatgacac aatgccacaa gaccatgaag tataaaaaaa ttgtcccacc 120
 tacgaacact aaactcaatt ccattcgcaa agggcccata ggatttgccc cttaggacat 180
 tcactcacag ttctataatg atattagaaa cttccttcag caccatgaaa tcattggaaa 240
 aatcagtctc tccctttcct ttctcacctt tttggtatgc attatataat gccaaaaatt 300
 tgtagctta 309

<210> 41446
 <211> 480
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910013d07d1

<400> 41446

aaataatagc agttttatat tgtcttcctt aggaacaggt tatacataaa aacggaaaca 60
 aaccagaatc agttttatag aacagtaata gaaactagat ctagccggaa caaaaccatc 120
 ccctcaaaag agacaatcat caaccggcaa caggaagttg cagcttgtaa tccatcttct 180
 tgtctaaagc caccgcaata caccacacc aagttcaaatt tcacatatca tgttgggcaa 240
 actcctctc ctcctcttcc tcttcatact catcctcacc agcagtggca tcctgggtact 300
 gctgatactc cgacacgaga tcgttcattg tgctctcagc ctctgtgaac tccatctcgt 360
 ccatgccttc cccggtatac caatgcaaga aagccttctt tctaaacata gcagtgaatt 420
 gctcactcac tctacggaac atttcctgaa tgggggtaga gttaccaatg aatgggtgaag 480

<210> 41447
 <211> 469
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910013d08d1

<400> 41447

aaccgttaac ttgagtataa atatcaggaa tttcagaaag gttcagaaaa aaatataaac 60
 tccaccctcc aaaaacaaac caagtcattgt agccaaaata attgtgatca ctatccatgt 120
 tcagaggatg tctggttttg gttttgaggt gaatgtatag aattttgagc gacattaatt 180
 gtctctcctt ttgtttatgt cagtttccct gccatccaac tttgcaacat ctgaagtgc 240
 gcttttggtt gatccatagg gaccaagtgt ccagcctcat gtaccttgag gaaagaaaga 300
 ggtccatagc tattaagaga ccctgctttt gaaccatcaa ccacaaattt cactgtagga 360
 gatttttcaa aggccttttt gcctgaccac ttcattgcat gtaccacact tgaattccca 420
 agccaattgc atatgagatc ttctttccct acatacacia gcaacttga 469

<210> 41448

<211> 578

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910013d10d1

<400> 41448

caaaggcata ttaatttgtg caattggatt aatatagaaa agtgtcctgt aaacttgctt 60
 catatgaaga agcaggggat acataagaaa aataaccctt ttttaattttt aggaacaatt 120
 caatacattg aaaccaatag tatgatttac caacaaaagc taaaacgcta gtcattgaga 180
 aaaataaacc aagacgagga ctaactacac ttctttaata gctccctttc ccatctcaac 240
 accattgcca taatcatcat gctccacgaa tctggaccag aaggggtgtg cctgccaaac 300
 ctgccccatt tcttcaattg gaatgccctt tgtttcgggc aagaagaagt agacgaagaa 360
 tgtcatgac aacacgaaga aggcaaagaa gaggaacaag ccgaacttca tgtggcaaag 420
 cattgtcaag aagacttgtg caatcaagaa agtgaaaagc atgttcaccg acacattgat 480
 actctgagca gccgaacgaa tctccaaggg aaagatctca ctaggcacca accaacctag 540
 gggaccccat gaccaggcaa atgctgatac ataaatgc 578

<210> 41449

<211> 403

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910013d12d1

<400> 41449

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ggcggcgggg ggctaaaaaa aactttatth ggthaaaagc tccccaaaat tcattcggcc 60
ccctgaaaat tacagccgaa ctggggggaa tgtaaaatgc aaaaagctca tagcttaagg 120
catgggacat ttgattttga aactacctat tcagtaacct tgactaattt gcatataaca 180
actggtgttc tcgcagactt caaataactca aagggtttat tttggttgat tccaaaatta 240
cctgtttgcag gatctttccc aatgcggggg gttatcattc aagttttagg aattggtttc 300
cctacccccca tgagaatttc ctgacaatta aagaaacctt cacttctttt caagggtttt 360
cagccaataa tcaaattggc tggcaacaca tgctgacctg ggg 403

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<210> 41450

<211> 534

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmro02910013e02d1

<400> 41450

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ataattgttg aaactgaaac tgaatcttaa ttctgagata acattcaaaa tcaaaccgat 60
acatgaagga tcagctataa catattaatt tatagctgtg ctggtgcagg acacttagta 120
gtgtgccatg aaattattct aacagaaaac aacaacctaa tgacttatac gtggaattag 180
ctacaactac aaacattgag cttaacctaa ccgttttttag gtgctgcata gctttcaaac 240
gggtgggtcta acactagttt cttttcagaa agttcttgta ccattgagca gaaagcttag 300
ggtagctttt taagccatct ttgtaatcta caaagtttaa tccaaaccga acagtgaacc 360
ctgcaaacca ttcattacag tccaaaaatg accatgcaaa aaatccctta acgtttgcgc 420
cagccttaat tgctgatcga agataaaaaga aatgacgata ataataatca attcgataaa 480
tatecatgag agcttcttcc acggaaaggg gtggatcatn gaattcgttc atac 534

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<210> 41451

<211> 450

<212> DNA

<213> Glycine max